

SUMMER 2015 / July 5 – July 31

SHAD FELLOWS

THINK BIG

Are you in grade 10, 11 or 12? One summer can change your life p. 4

KNOW YOUR NETWORK

Our program offers you lifelong membership as a SHAD Fellow p. 8

MEET THE CHANGE MAKERS

How Cathy Han went from chem lab to CEO p. 9

GIVE US A MONTH, WE'LL SHOW YOU THE FUTURE



“SHAD is a time when anything you think of can become a reality.”

MEET BRUCE

WHERE ARE YOU FROM?

Calgary, Alberta

WHERE DID YOU EXPERIENCE SHAD?

McMaster University, Ontario

WHAT ARE YOU DOING NOW?

Studying neuroscience at the University of Calgary.

WHAT ARE YOUR ACCOMPLISHMENTS, SO FAR?

Schulich Leader at University of Calgary; Financial Post's Hottest Start-up; Changemakers Award; SHAD's Trevor Nason Award for Excellence in Science and Leadership

WHAT DID SHAD TEACH YOU?

That you don't have to see the entire staircase to take the first step.

Before SHAD, my high school experience was probably a lot like yours. I was focused on getting the best grades and signing up for the right extracurricular activities.

I loved science, technology, engineering and math, and my plan was to go to medical school and become a doctor. In fact, I thought a lot about what I was SUPPOSED to do, and didn't give much consideration to what I COULD do.

But all that changed when my high school friends started telling me about this “life changing opportunity”: SHAD.

At that point, I was sure I already had my life changing experience. On a visit to China in Grade 10, I had noticed that the solar panels on an orphanage were misaligned. It was monsoon season and the children were cold at night, huddling together for warmth. Determined to do something before I came back to Canada, I made a quick desktop application at a nearby internet café and used it to align their panels properly, so they moved with the sun throughout the day.

It worked. The dormitories were heated and the orphanage once again had warm water.

It felt so good to make a real difference with my talent for STEM. But I didn't know what to do with this experience until I became a SHAD.

In four weeks, SHAD unleashed my entrepreneurial spirit and gave me the guts, confidence and ambition to take my idea and convert it into something meaningful. Without SHAD, I wouldn't have co-founded Simply Solar, a mobile application to properly align solar panels that is now being used in developing countries around the world.

SHAD is a time in your life when anything you think of can become a reality. I really believe if you go through high school without SHAD, you're not getting the complete experience. It's that essential. You have to go!

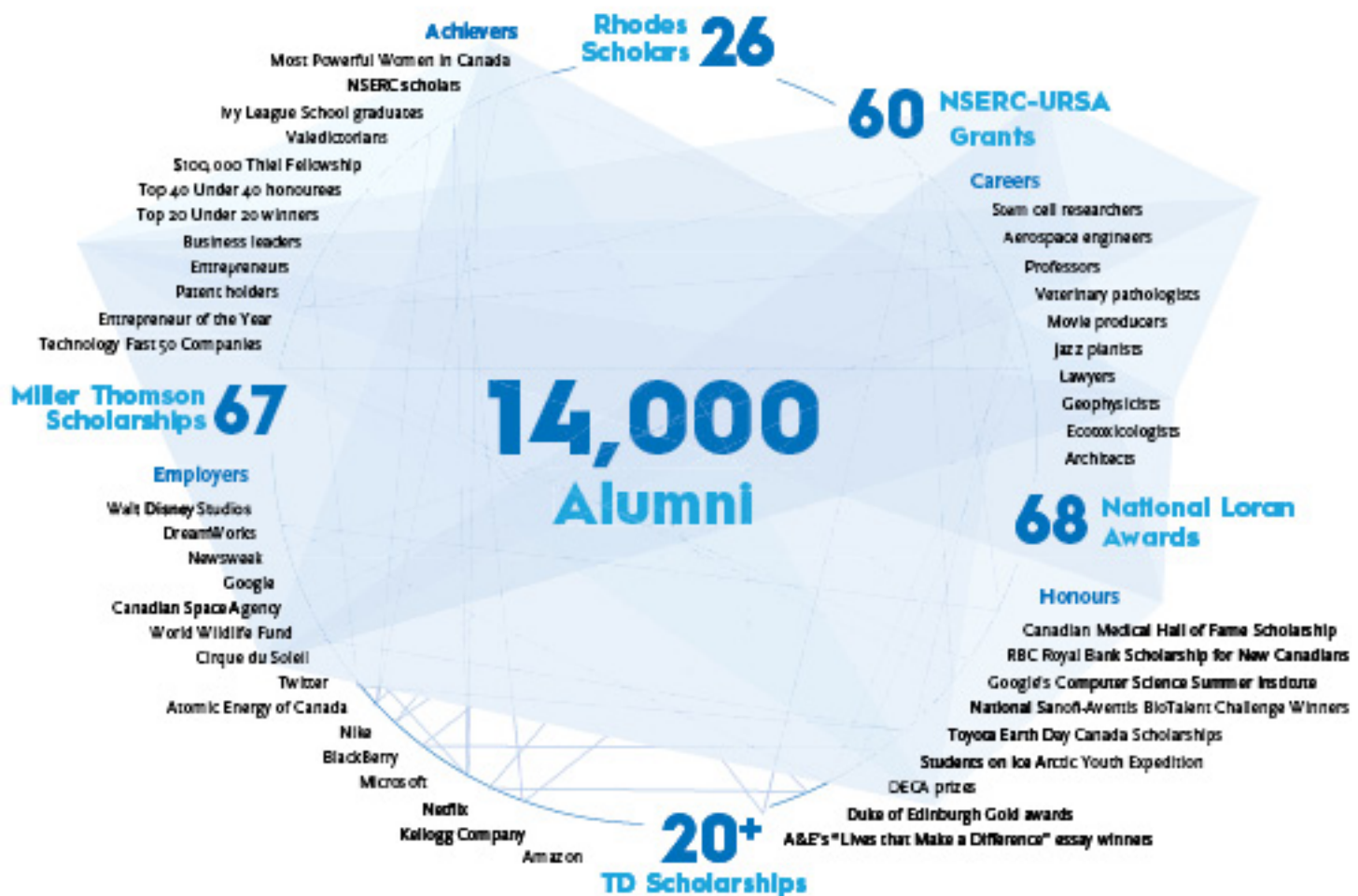
~ Bruce Gao, SHAD '12

AN EXPERIENCE TO REMEMBER, A NETWORK FOR LIFE

Your SHAD experience starts the moment you step foot on one of our 12 host university campuses, and kick-off your four week adventure of mind-blowing learning, friendship and fun. But that is just the beginning!

At the end of our incomparable summer program, you become a SHAD Fellow for life. This exclusive designation will bind you together with a community of the best and the brightest. SHAD Fellows excel at science, technology, engineering and mathematics, but that's not all that sets them apart. Our Fellows are ambitious and innovative. They think differently, and are motivated to solve problems and push their own limits. SHAD is more than just a four week experience, it's your graduation into a community of people who have the potential to change the world.

THE SHAD NETWORK



A night sky with the Milky Way galaxy visible, set against a dark landscape. The text "UNLEASH YOUR TRUE POTENTIAL" is overlaid in large, white, bold letters. The top of the image features a blue geometric pattern of triangles.

**UNLEASH
YOUR
TRUE
POTENTIAL**

“SHAD provides you with the opportunity to establish a network all across the country. The connections created during the program are genuine ones. SHAD is an incredible opportunity to meet people involved in various fields and industries.” Lara Emond, SHAD '07

From university admissions to venture capitalists, a SHAD Fellowship will help show the world what you can do.

At SHAD, we give exceptional young people a glimpse of the future. Our four week summer program will show you what you can achieve if you think big and pursue your own potential.

We have helped to broaden the horizons of more than 14,000 alumni, and our community has caught the eye of everyone from university admissions to research institutions, from venture capitalists to government leaders – people who share SHAD’s philosophy that greatness, innovation and experimentation must be nurtured from a young age.

“These future leaders need to be pushed outside their comfort zone and exposed to role models who are big thinkers, innovators and entrepreneurs,” says

Claudia Hepburn, Executive Director & Co-Founder of The Next 36, an organization that supports the entrepreneurial promise of Canadian undergraduates. “Programs like SHAD raise the bar for what young Canadians believe they can achieve.”

SHAD participants have the chance to explore a university campus while they’re still in high school, and experience the rewards and rigors of higher learning within a supportive, exciting and challenging summer program.

As a result, SHAD is respected by universities and employers and has created a network of achievement that benefits our Fellows throughout their lives while serving as a positive influence on Canada’s economic and social health.

“We’re bringing together these exceptional students – Canada’s future leaders – and that network is going to be absolutely crucial to their futures,” said Ian Fogarty, Co-Director of SHAD UNB.

Pierre Normand, Vice-President of External Relations, of the Canada Foundation for Innovation says SHAD unleashes its Fellows’ ambition and potential in relation to science, technology, engineering and math.

“We have some bright students who sometimes can feel isolated by their own abilities,” he said. “When you bring them together with students who are like them and give them the right mentors, you create the confidence to really dedicate themselves to their passions.”

UNCOMMON PURPOSE /ə n'kɒmən /'pɜ:pəs/

When someone truly remarkable pursues their own potential to change the world.

“At SHAD, we want young people to embrace their Uncommon Purpose, and help them recognize their ability to create new things and bring about real, positive change.” – SHAD President, Barry Bisson, MBA, P.Eng. (NB), FEC

GET OUTSIDE THE BOX

The first step toward your lifelong SHAD Fellowship is a 27-day summer experience, where you will make new friends, engage with new ideas and experience a whole new level of learning that will challenge you to be your best.

This is a chance for you to get a glimpse of university life and beyond, and experience a multi-disciplinary approach to learning that will challenge you to excel and show you the time of your life.



CHALLENGE

Each of our 12 SHAD campuses offers an immersive program of lectures, workshops, projects and activities. Inside and outside the classroom, SHAD builds on a foundation of science, technology, engineering and mathematics – or STEM – introducing participants to a multi-disciplinary approach that offers unique experiences and a new way of understanding the world.

“It’s about stringing ideas together,” says Dr. Chad Harvey, Co-Director of SHAD McMaster. “We apply chemistry to explain biology, or math to explain music. We ask our SHAD participants to look at things from a different perspective, and this allows them to see *themselves* from a different perspective.”



INNOVATE

Our SHAD campuses build their programming around a theme of national significance, which changes each year and is released the first week of each annual session.

We present our participants with big, complex issues and ask them to find bold solutions, working together with their peers to bring their ideas to life.

“We don’t want you to prepare. It’s about doing something unexpected, because that’s how you truly learn,” says Harvey. “When you challenge and push exceptionally bright students and it’s not easy, that’s when you see the growth. And that’s how our whole program is designed.”



UNITE

With campuses across Canada, each SHAD experience has its own “flavour” depending on the research expertise of its host faculty, as well as the guest speakers and resources. But no matter which campus you attend, you will meet a group of exceptional young people and work together to step outside your comfort zone.

At SHAD, success is not found in a test result or individual breakthrough. It’s about figuring things out together, and learning from one another.

“You’re going to look at science and technology from a different perspective, and it will help you understand people in a way that you never have before,” said Harvey. “It’s time to dump your worldview on its head, do some cool things and learn about yourself.”

OUR HOST CAMPUSES:





EXPERIENCE

Does your school have a particle accelerator, an anatomy lab, marine research facilities, nanoparticle research or quantum computing research facilities?

At SHAD, you'll have a chance to explore a university campus and participate in the wonder and possibilities of higher learning. You'll experience all the best of post-secondary life from the community of a dorm to the exhilaration of a real life lab.



ENGAGE

Ask any SHAD Fellow what they remember most from their four week program, and they'll talk about the quality of the people they met.

From the SHAD staff to guest lecturers, you'll spend time with individuals who will change how you think about the world, and yourself. Brought together with a diverse cohort of SHADs, you will meet your true peers, young men and women who share your interests, your dreams and your abilities.



EXPLORE

No matter which campus you attend, SHAD will broaden your horizons inside and outside the classroom.

Learning isn't confined to the walls of a lecture hall, because our SHAD participants go on camping trips, visit local attractions, engage in nature expeditions and take part in games, sports and activities that make them laugh and make them think. We'll show you how STEM extends throughout our natural world and into our daily activities.

AN AVERAGE DAY IS FAR FROM TYPICAL.

MORNINGS: Learn about the latest in nanotechnology or forensic DNA, participate in a workshop with a successful entrepreneur or use leading edge software to design an enhanced online experience.

AFTERNOONS: Explore fascinating new concepts in a genetics workshop or a graphics lab, tour a high-tech firm and then try your hand at yoga, swing-dancing, or a game of ultimate frisbee.

EVENINGS: Kick back for an enlightening guest speaker such as an astronomer, a world famous mountaineer, or the CEO of a major corporation. Then head to an impromptu musical jam session.

WEEKENDS: Depending on your host campus, you'll have opportunities to comb the local beaches, whale watch, or munch on s'mores while you set up camp in the great Canadian outdoors.



WHAT CHANGE WILL YOU MAKE?

THE SHAD ENTREPRENEURSHIP CHALLENGE

Our summer program is a bridge to lifelong SHAD Fellowship and on-going success. And so, each year, our campuses participate in The SHAD Entrepreneurship Challenge: the chance to experience the exhilaration, creativity and satisfaction of launching their own real world startup. This is the moment when the best summer you ever had turns into the idea that will change your life.

During the SHAD program in July, teams of participants work together to develop a solution to a big problem by applying scientific principles to develop engineering, design and entrepreneurship projects. You will create a real life product or service, conducting market surveys, creating business plans and

even engineer working prototypes. A winning team is selected at each campus to polish off their projects for the national competition held each fall. Every participant has the chance to help out with the winning project and cheer for their campus, and Wild Card teams

are also selected for the national competition. The SHAD Entrepreneurship Challenge is a chance to show off the innovative spirit and leadership skills of our newest SHAD Fellows.





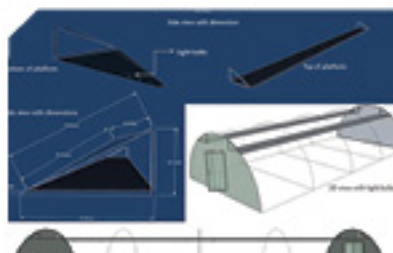
PREVIOUS THEMES AND WINNING PROJECTS



2013

Improving the safety and efficiency of year-round, human powered transportation in Canada

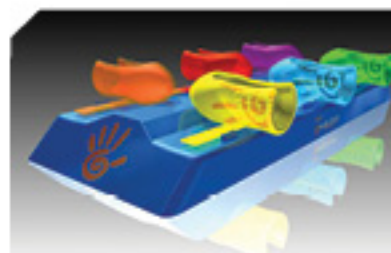
Winner: The team from SHAD Saskatchewan developed a new jacket to improve road visibility for urban cyclists. Their project, dubbed "VISIBLE", features LED turn signals operated by convenient switches at the cyclist's fingertips. Red LEDs blink in the direction of travel and white LEDs stay lit when a light sensor detects a dark environment, making the cyclist more visible to pedestrians and motorists.



2012

Reducing obesity in North American youth

Winner: SHAD Laval created the Organization for Inuit Food Security (OIFS), an NGO dealing with youth obesity within Inuit communities. As it is extremely difficult for these Inuit communities to obtain fresh and affordable produce given their geographic location, OIFS plans to introduce community co-operative greenhouses designed specifically to be suited to arctic climates.



2011

Designing for Canadian children with disabilities

Winner: The team of "Magic Touch," from SHAD Dalhousie created a device to help children with motor disabilities express their creativity. With the Magic Touch, children affected by a wide range of motor disorders no longer have to suffer from the pain and discomfort associated with grasping a traditional marker. Instead, a device attaches the marker to the child's finger, allowing them to trace out their artistic designs.

"We know SHADs are Change Makers – they want to have an impact. This experience gives them a chance to do something for Canada, to build something real and have that sense of pride." **Dr. Chad Harvey,** Co-Director of SHAD McMaster.

THE CHANGE MAKERS

Our network of lifelong SHAD Fellows includes thought leaders and digital revolutionaries, CEOs and academic superstars. What do they all have in common? They're Change Makers. These men and women are pushing the envelope of what's possible whether they spend their time in labs, office suites or on the international stage. They are using their abilities in science, technology, engineering and mathematics as the catalyst to bring new ideas and new industries to life. They follow different paths and pursue various fields, but our Change Makers are bound together by their adventurous minds, entrepreneurial spirit, and natural leadership. It's time to meet your powerful network.

SHAD FELLOWS: LEAD

Our focus on developing students' entrepreneurial spirit has helped SHAD Fellows to apply their abilities in science, technology, engineering and mathematics to real world pursuits that are changing the economic landscape. Our community of Fellows includes CEOs and founders, executives and educators, all of whom demonstrate natural influence and initiative and the ability to boldly lead the way.

CATHY HAN, SHAD '06

“In high school, I had done a lot of science courses, but I'd never really thought about business. I just wasn't sure what a business degree could do. But SHAD opened up a lot of possibilities. There was one guest speaker who completely changed my mind. She was a VP at Canadian Tire and she talked about how many opportunities there were in business.

She said that what you end up doing in your career doesn't necessarily have to be aligned with the courses you take as much as what you really want to do and the people you want to work with.

It gave me a chance to think about what I was really excited about, and that was having a chance to work with people from a broad range of disciplines. SHAD made me aware that there were these people called entrepreneurs out there doing really interesting things.

When we launched 42, we had the idea to bring big data technology in a useable form to retailers.

Now we're focused on building up a billion dollar company that's going to truly change an industry. That's really the driving force behind everything we do: the potential to make a difference and have that impact.

It helps that we have all these alumni networks to support us. We hired our first SHAD intern last summer and this year we have another SHAD joining us. I really believe that your character and your potential to learn is far more important than what you've done to date because it shows where you can be in the future. And that's something SHADs do best.”



MEET CATHY

WHERE ARE YOU FROM?

Calgary, Alberta

WHERE DID YOU EXPERIENCE SHAD?

University of Waterloo, Ontario

WHAT ARE YOU DOING NOW?

I live in San Francisco and am the founder and CEO of 42 Technologies Inc., which provides predictive analytics to retail businesses.

WHAT ARE YOUR ACCOMPLISHMENTS, SO FAR?

Bachelor of Commerce – Finance, UBC; Next 36 2011 Cohort; Y Combinator 2014; Presented 42 on the runway at New York Fashion Week 2014

WHAT DID SHAD TEACH YOU?

When you're in high school you don't necessarily know what the real world is going to be like, but at SHAD they bring in all these speakers to talk about what they do and it really opens up your eyes to the options you have, regardless of the degree you end up taking.

SHAD FELLOWS: INNOVATE

Our lifelong Fellows work at the cutting edge of innovation, and have established themselves as leading minds in labs and research facilities around the world. Members of our SHAD community are making breakthroughs in fields from robotics to pharmaceuticals, aerospace to agriculture – and are searching for solutions to our world's most complex challenges.



MEET MARSHALL

WHERE ARE YOU FROM?

Markham, Ontario

WHERE DID YOU EXPERIENCE SHAD?

Memorial University, Newfoundland

WHAT ARE YOU DOING NOW?

Sophomore at Harvard University, studying statistics with a minor in philosophy.

WHAT ARE YOUR ACCOMPLISHMENTS, SO FAR?

Loran Scholar; Top 20 Under 20; Team Canada at 2011 Expo-Sciences International and 2012 Intel International Science and Engineering Fair.

WHAT DID SHAD TEACH YOU?

SHAD showed me that there are people doing actual cool things instead of just trying to climb the high school extracurricular ladder.

MARSHALL ZHANG, SHAD '10

“In high school, courses for me were pretty easy. I was usually the top kid in the class and I thought I was pretty awesome. SHAD was an experience that just turned my whole life around, showing me just how amazing other high school students across Canada could be, and set off a whole chain reaction of events that resulted in me coming to Harvard.

It started when I met another SHAD who was doing research at the University of Toronto. Until that point, I didn't even know that high schoolers could get involved in research.

When I got back from SHAD, I contacted a bunch of professors and ended up getting involved in research into Cystic Fibrosis at Sick Kids Hospital, doing simulations on Canada's most powerful supercomputer to see if individual molecules have the potential to be effective for treatment in real life.

I realized I had these two molecules that looked pretty promising but what was interesting was that the simulation was suggesting that we might be able to use them together. It turns out the combination of these two drugs resulted in a greater impact than any drug that had been previously tested.

It's not a new cure, which is how the media described it, but the work provided an interesting pathway for potentially exploring the use of computational methods to be able to predict effective combinations of drugs.

Without SHAD there would have been no way I would have had that opportunity, which has led to so many things, including Harvard. I absolutely think my life would have been drastically different had I not gone to SHAD.”

SHAD FELLOWS: CREATE

Creativity and vision are valued traits of our SHAD Fellows. Our network includes designers and developers, musicians and artists, and is populated with individuals who have set their minds to creating the products of their own imagination. These individuals have unleashed the power of invention.

USMAN KAMRAN, SHAD '12

“When I was in grade eight, I went to Pakistan, where my family is from. There were electricity shortages all the time, and I remember sitting in the apartment where we were staying, right by a busy road, and thinking about the problem while I listened to the noise of cars outside my window.

I started thinking about that noise and whether you could convert it into electricity, and the idea never really left me.

To me, SHAD is about taking the best and brightest and helping them go further. I was already in tune with science, but I didn't know what entrepreneurs did. I didn't know how to form a business. After SHAD I thought less about the structured path I needed

to take, and more about my desire to innovate change in whatever field I choose.

Last year, I contacted SHAD and asked them if they could put me in touch with anyone who could help me get a patent for my research, which focuses on transforming noise into electricity. I've found a way to harvest sound waves based more on their frequency than their amplitude, meaning that anything from a casual conversation to an airplane taking off can be used to produce useful energy.

I was put in touch with another SHAD Fellow who is also a patent agent, and now I have a provisional patent and I'm working with a researcher at the University of Calgary to develop it into a commercial enterprise. It's really exciting. The applications are limitless.

SHAD taught me that I want to be at the precipice of innovation and I just want to build from there.”



MEET USMAN

WHERE ARE YOU FROM?

I was born in Pakistan and grew up in Fort McMurray, Alberta.

WHERE DID YOU EXPERIENCE SHAD?

McMaster University, Ontario

WHAT ARE YOU DOING NOW?

Second year at University of Calgary Bachelor of Health Sciences. I want to be a neurosurgeon.

WHAT ARE YOUR ACCOMPLISHMENTS, SO FAR?

Top 20 Under 20; O'Brien Health Sciences Admission Excellence Scholarship; Nexen scholarship; Alexander Rutherford scholarship; Premier's Citizenship Award; President & Founder of RGI Calgary, which advocates, funds and researches cures for rare genetic diseases.

WHAT DID SHAD TEACH YOU?

That you have the ability to help people while at the same time innovating in an industry. As a society we should try and hone that behavior, and encourage people to go into a field where they can make a difference.

SHAD FELLOWS: PROVOKE

If you show a SHAD Fellow a problem, they won't rest until they find a solution. Our community is driven by a shared desire to explore the natural world, push themselves academically and forge bold intellectual paths. This isn't always easy and the way forward is not always clear. But SHAD Fellows are motivated by a desire to turn conventional thinking on its head, and the breakthroughs they have accomplished are turning the world as we know it upside down.



TODD REICHERT, SHAD '98

MEET TODD

WHERE ARE YOU FROM?

Ottawa, Ontario

WHERE DID YOU EXPERIENCE SHAD?

University of British Columbia

WHAT ARE YOU DOING NOW?

With my company, Aerofelo, I designed, built and flew a human-powered helicopter to win the \$250,000 Sikorsky Prize. Now we've designed a bicycle that we will use to break the current land-speed record.

WHAT ARE YOUR ACCOMPLISHMENTS, SO FAR?

NSERC scholar, Canadian Aeronautics and Space Institute Trans-Canada McKee Trophy, University of Toronto Alumni Association Distinguished Graduate award. I rowed competitively at U of T and competed at the national level in speed skating.

WHAT DID SHAD TEACH YOU?

You realize that there are people of equal or greater talent than you. Working in a team is not just about having an idea, it's about communicating it effectively, as well.

"I've always been pretty independent. I'm not that interested in the status quo and I thought maybe I was alone in that.

At SHAD, I saw there was a whole world of people who do things outside the status quo and who have similar visions and goals. They share a level of interest and excitement about everything in the world, a level of drive. They do everything to the extreme in terms of intellectual curiosity, and that gave a level of clarity and inspiration to who I am and where I feel I can go.

At university I knew I liked airplanes and I found this awesome professor who was interested in the question of human powered flight, and I thought, 'This guy is out of the box!'

What I do now combines absolutely everything I love: I train as a high performance athlete, I get to work on engineering stuff, every year I get to make a cool three minute video about whatever awesome project we're working on, and at the same time there's a huge artistic element in what we're doing as well.

My interest and strength is working on stuff that's eye opening. I know that what I'm doing really drives me and that knowledge allows me to take on things that are big enough that they will have an impact on the world."

ASK A SHAD PARENT

The path toward SHAD Fellowship starts at home. We talked to Marilyn Lee about her experiences as a SHAD parent.

How did you first hear about SHAD?

From another family in our town. We live in a small town in Eastern Ontario, and we're always looking for opportunities for our daughter, Chloé. I hoped she would be interested in applying when she reached high school.

Did you tell her to apply?

No, it had to be her decision. We talked to her about what she would have to achieve – academically and in her extracurriculars – to be accepted and then she worked to get there. We've always tried to allow her to explore her own interests and think big about her own potential. We know that her formative experiences can't be prescribed – they have to be pursued.

What should parents ask their children if they're thinking about applying to SHAD?

The best way to decide is to sit down and ask them, "Who are you? What do you want to do? What kind of person do you want to be?" Because that's what they'll be figuring out at SHAD.

What was it like for Chloé when she arrived at SHAD?

It was really powerful. She saw herself reflected at SHAD. On the first day, the students went off to talk and so did the parents, and she told me afterwards that they all instantly started finishing each other's sentences. They recognized each other and the experiences they have had.

How has SHAD Fellowship changed Chloé?

I think it's about the way she pursues her goals. It helped her understand that whatever her path or career, she has the opportunity to think differently.

How did she enjoy the focus on STEM?

SHAD approaches STEM the same way we do: These are not just subjects to study and master, they're a way to understand and engage with the world around you. SHAD values are my values, as a parent. Their approach to STEM is about nurturing creativity and challenging the way you think and learn.

Was it difficult to send your teenage daughter away for a month, to experience life on a university campus?

I think it was harder for me to send her away to nursery school. With SHAD, there's no question: you're investing in your child's future.



Chloé St. Amand, SHAD '13. She experienced SHAD at Dalhousie University Nova Scotia.

IT STARTS NOW

SHAD.CA/APPLY

We will select 600 students for the 2015 program and upon completion, a designation as a lifelong SHAD Fellow. It's a highly competitive process that attracts the best and brightest from across Canada and around the world. To be considered for a place at SHAD, nominate yourself today. We're looking for:



High school students currently completing Grade 10, 11 or 12 (Quebec secondaire IV, V or CEGEP I, or the international equivalent)



Strong academic credentials



An outline of your activities and pursuits that can include athletics, volunteer experience, employment and the arts



A description of your approach to creativity and innovation, or how you tackled a problem



A letter of reference



You also have the option of providing a demonstration of your abilities in a written or video format

NOMINATE YOURSELF NOW! Application due dates are November 26, 2014 and December 11, 2014. The online application can be found at www.shad.ca/apply.

HOW WILL I KNOW IF I GOT IN?

We start contacting applicants in February. You will be informed when and if a place is offered to you, including any financial support for which you may qualify.

"The application process is a good preparation for SHAD applicants to get used to applying for special programs or scholarships in the future."

Linlin Hsia, parent of Grace and Lauren Hsia, both SHAD '06

INVEST IN YOUR FUTURE

If you are accepted to our four week program, you will automatically receive the SHAD Fellowship entrance award resulting in the program fee being \$4,500, which includes accommodation, meals, academic activities and field trips. This automatic entrance award is made possible by our community of generous SHAD supporters to help cover the full cost (\$8,000) of the program.

The program fee does not include expenses associated with travel to and from campus, which are the responsibility of each student.

DON'T HESITATE TO APPLY!

We want EVERY student who fits the SHAD profile to experience the thrill, community and challenge of our four week summer program, and the benefits of being a SHAD Fellow.

Once accepted, we will work with you to address any proven financial need associated with the opportunity.

SHAD offers support including:

- A large bursary fund for participants with proven financial need, including travel bursaries
- Scholarships based on overall strength of application, automatically open to all applicants



EMBRACE OPPORTUNITY

Each year, our new cohort of SHAD Fellows have the opportunity to be linked with one of our partner companies through a volunteer internship program during the month of August. SHAD internships are a chance to experience the world of Canadian business, add real-life experience to your resume, and build your network of contacts. For employers, it's a chance to engage with Canada's emerging talent, and develop relationships with future employees while they're still in school.

HOW IT WORKS

Just like SHAD, securing an internship is a highly competitive process. You can express your interest in an internship placement once you have been accepted to SHAD.

These internships take place after your SHAD program, and usually run for 4-6 weeks in your home city, or within a reasonable commuting distance.

A COMPETITIVE PROCESS

Once we know you're interested, we send our network of partner companies the resumes of SHAD Fellows within their region. These companies are responsible for arranging interviews and will contact students directly. As in any hiring process, they will interview those candidates whose skills, backgrounds and interests match their requirements.

WHERE TO LEARN MORE

For more information about our internship program, and to see a list of interview questions you should prepare for, visit SHAD.ca/internships.

A SAMPLE OF PAST SHAD INTERNSHIP PROVIDERS:

42
AECOM
Aegis Mobility
Allstream
Altagas
Appazur Solutions Inc.
Axonify
Bombardier Transportation Canada Inc.
Brave Control Solutions
Brisebois Dental Care
Buytopia
Canadian Museum of Nature
Canopy Labs
Careerleaf
Cenovus Energy
Christie Digital Systems
Communitech
ConnectionPoint Systems Inc.
Conquer Mobile
Critical Mass
Énergie NB Power
Engineering Science Quest (ESQ)
GadgetsFactory.com
Global Relay
Hatch Associates
IBM
Igeno
Innovamasters
Island Abbey Foods
Land Solutions
Mapleoft
McInnes Cooper
MediaCore
Medmodo
Michael Smith Foundation for Health Research
Microsemi
Miovision
MLTC Resource Development
MobSafety
My Best Helper
New Brunswick Innovation Foundation
Nuance Communications
Oakville Trafalgar Memorial Hospital
Offset Market Exchange
Province of New Brunswick Department of Education
Pythian
Rare Genomics Institute
RBC
Science ALIVE
Science Expo
Siemens
Student Climate Action Network
Superior Science
TakingITGlobal
Technip
Teledyne Dalsa
Teradici
Twinbro
University of Winnipeg
VanCity Credit Union
Vidigami Media Inc.
Virtual Ventures
Xerox

SHAD SUPPORTERS

SHAD thanks the following generous supporters. Their gifts of financial support and time helps our participants achieve their exceptional potential.

CORPORATIONS



FOUNDATIONS



Michael Smith Foundation for Health Research

New Brunswick Innovation Foundation

The John Dobson Foundation

GOVERNMENT



SHAD ALSO RECEIVES SUPPORT FROM THE FOLLOWING:

CORPORATIONS:

Aurion Capital
Bombardier Transportation Canada Inc.
The GSK Foundation
Maplesoft

MDA Corporation
Mosaic Energy

SCHOOLS AND SCHOOL DISTRICTS:

Peel District School Board
School District #36 BC
York Catholic District School Board
York House School

TRIBUTE GIFTS

The following have been recognized through a tribute gift to SHAD:

In Memory
Jean Thompson

In Honour
Barry Bisson
David and Doreen Northwood
Neil and Leslie Pasricha
Ajay Sharad

MATCHING GIFTS

The following companies provided a matching gift to SHAD:

AstraZeneca
Aurion Capital
Invesco Trimark
Medtronic

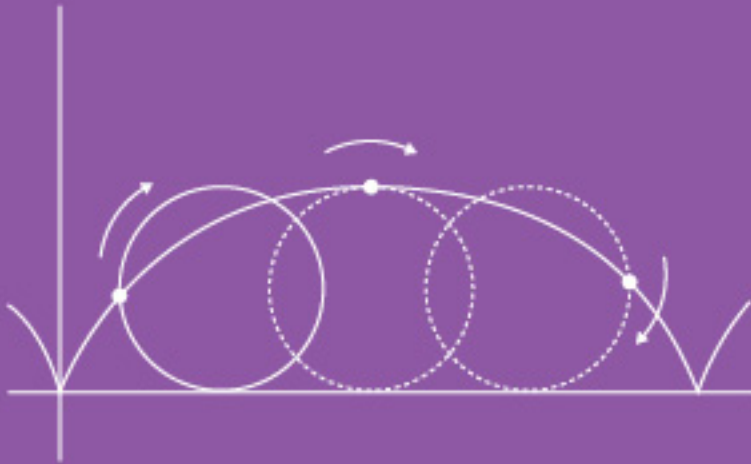
BRAIN GAMES

PUZZLE 1

What do these cities have in common: Tokyo, Japan; Albuquerque, United States; Tehran, Iran; Nicosia, Cyprus; Tangier, Morocco; and Canberra, Australia?

PUZZLE 2

In 1599, Galileo called the arc formed by a point on a moving circle a cycloid, and determined that the area under this curve was equal to three circles. He hardly used any math, though. How did he do it?



Answers at www.shad.ca/puzzles