JOSHUA ANDREW BALLOCH

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joshuaballoch.github.io/about

Education

2012	**McGILL UNIVERSITY**	Montreal, Canada

Bachelor of Mechanical Engineering, Honours Program, GPA: 3.88 / 4.0
- *Awards:* British Science Association Medal (1st in program); Dean's Honour List; Brian Cullen Memorial Award; G.H. Duggan Memorial Scholarship; Student-Athlete Honour Roll

2007	**INTERNATIONAL SCHOOL of BEIJING**	Beijing, China

International Baccalaureate (IB) Diploma 42/45 (99th percentile)

Experience

June 2012 –	**GIGABASE**	Shanghai, China
Aug. 2013 –	**Lead Web Developer**	
June 2012 – Aug. '13	**Junior Web Developer**	

Leading a 5-person development team building an enterprise SaaS for materials management in the architecture & construction industry.
- Central planner/architect of our technical architecture and development process
  - Rebuilding site using Marionette.js with a Ruby on Rails back-end.
  - Restructuring database to efficiently structure materials data and improve user experience
- Coordinate with product & sales teams to establish and deliver on business requirements.

Drove improvements to Giga's product management process by:
- Assuming meetings with clients, conducting research and gathering user feedback
- Designing mockups and wireframes in Balsamiq and Illustrator and refining product vision
- Hiring for and working collaboratively to establish an independent product team

Feb 2014-	**AIRAWARE - CHINA**	Shanghai, China
	Tech Lead & Web Developer	

Developing an indoor air quality monitoring service for schools & offices in China. Working closely with leading manufacturers to integrate their sensors' data into the core service.

2011 - 2012	**THINKSPACE.ME**	Montreal, Canada
	Co-founder	

Created an online community for informative discussion on contemporary issues. Developed the site in Ruby on Rails, HTML/CSS, and Javascript; launched on Heroku.

Summer 2010	**PRATT & WHITNEY CANADA**	Montreal, Canada
	Engineering CO-OP Student	

Documented fluid accessories systems for 19 engine variants. Analyzed acceptance tests of fuel control units & fuel/oil heat exchangers.

Summer 2007	**REDBOX STUDIO**	Beijing, China
	Graphic Designer & Photographer	

Assisted in designing and producing various projects in Adobe InDesign, Illustrator, and Photoshop. Hired as primary photographer for Fodor's Beijing Guidebook, Olympics Edition.]

Technology *Primary:* Ruby on Rails, Backbone.js, Marionette, Coffeescript, Javascript, CSS3/SASS
Server Tech: Unicorn, Nginx, backed by MySQL, Redis, Sphinx, Resque, Sidekiq
Deployment: Deployment & Version Control with Capistrano, Git, Github

Projects *McGill Journal of Law & Health:* Upgraded site, implementing new design and improved features, added social media integration on existing PHP base. mjlh.mcgill.ca

Skills Fluent English, French, and Chinese (Mandarin)

Personal *Electronics*: enjoy prototyping and building electromechanical devices
Photography: lived and traveled extensively in China, documenting unique, complex culture, including projects in remote areas of Yunnan with Ventures in Development, and RedBox Studio / Fodor's Travel.