JOSHUA BALLOCH

38 Dapu Road, Building 1, Apartment 27A, Shanghai, China
joshuaballoch@gmail.com | *+86 186 0178 6187*
joshuaballoch.github.io/about

Experience

June 2012 – **GIGABASE**   *Shanghai, China*
Lead Web Developer
Full-stack developer leading a 5-person development team in building a materials management Sofware-as-a-Service for architecture and construction firms.

- 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
- Coordinating 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 & filtering service for schools & offices in China. Collaborating with leading manufacturers to integrate sensor data into core services.

2011 - 2012 **THINKSPACE.ME**   *Montreal, Canada*
Co-founder
Founded 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*
Intern Engineer
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
Designed and collaborated on various projects using Adobe InDesign, Illustrator, and Photoshop. Primary photographer for the Beijing Olympics Edition of Fodor's Beijing Guidebook.

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)

Technology *Primary:* Ruby on Rails, Backbone.js, Marionette, Coffeescript, Javascript, CSS3/SASS
Server Tech: Unicorn, Nginx, backed by MySQL, Redis, Sphinx, Resque, Sidekiq
Deployment: Capistrano, Git, Github
Design: Adobe InDesign, Illustrator, Photoshop, Balsamiq

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

Personal Fluent English, French, and Chinese (Mandarin)
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.