JOSHUA BALLOCH

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joshuaballoch.github.io/about

Experience

June 2012 –	**GIGABASE**	*Shanghai, China*

Lead Web Developer

Full-stack developer leading the 5-person web development team at Gigabase – a materials management Sofware-as-a-Service for architecture and construction firms.

- Central planner & architect of our technical architecture
  - Rebuilding site using Marionette.js with a Ruby on Rails back-end.
  - Restructuring database to efficiently structure materials data and improve design.
- Managing the development process using a Kanban Agile methodology
  - Fostering a workflow where all members contribute to brainstorming and planning solutions, reviewing work, and learning as a team.
  - Integrating with product & sales teams to establish and deliver on business goals.
- 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,
  - 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 Fodor's Guide to Beijing, 2008 Olympics Edition.

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, HTML5 *Server Tech:* Unicorn, Nginx, backed by MySQL, Redis, Sphinx, Resque, Sidekiq *Deployment:* Capistrano, Git, Github *Design:* Adobe InDesign, Illustrator, Photoshop, Balsamiq
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
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