

Adam Carruthers

Self-starter driven by high-impact challenges.

Education

McGill University, BSc Computer Science *Montréal, Québec – Class of 2016 (3.35/4.00 GPA)*

- Took courses in functional programming, software design, distributed systems, machine learning, algorithmic game theory, compiler design, introductory astrophysics, and French as a second language
- Volunteered as a tutor on the computer science help desk

Experience

Cloud Developer - CloudOps *Montréal, Québec – May 2016 - present*

- I work on CloudMC, an extensible cloud platform orchestrator built with Spring and AngularJS
- Wrote integrations for cloud platforms such as CloudStack, OpenStack, and AWS in Java
- Designed and implemented framework for composing operations executed on integrated services
- Wrote plugins for open source tools like Terraform, Docker, and Rancher in Go
- Conducted demos for clients and wrote technical blog posts and documentation

Research Assistant - IHSP, McGill University *Montréal, Québec – January - April 2016*

- Hired to take over the development of a browser-based multiplayer game for an economics experiment
- By adding unit tests to the project, I uncovered violations of the experimental design
- Delivered a stable, feature-complete application on time for the start of the experiment

Software Developer Intern - MindGeek *Montréal, Québec – May - August 2015*

- Built an in-house ad analytics platform that handled 55,000 data points per second in real time
- Aggregated ad data using a stream processor written in Java built on top of Apache Samza & Kafka
- Built a REST API and AngularJS application to retrieve and visualize the aggregated data

Software Developer Intern - CloudOps *Montréal, Québec – January - April 2015*

- Participated in frequent code reviews and actively contributed to team discussions
- Learned a great deal about unit testing, design patterns, and agile software development

Ecommerce Consultant - Gurus Solutions *Montréal, Québec – May - August 2014*

- Was one of two technical consultants involved in the migration of a multimillion-dollar ecommerce store
- Organized knowledge sharing sessions, and made regular presentations to co-workers

Group and Personal Projects

- An email unsubscribing web app - ContextIO prize winner at McHacks 2015
- Compiler for Oncotime, a language to analyze cancer patient data - Best Oncotime compiler in class
- Braces, an extensible markup language that compiles to HTML
- Cartier, a simple client-side router for single-page web applications

Technical Skills

- Proficient in Java, JavaScript/HTML/CSS, C
- Intermediate-level in Go
- Database & ORM experience (SQL/NoSQL)
- Container & cloud networking and architecture

Personal Skills

- Skilled communicator, confident presenter
- Positive, professional attitude
- Certified Scrum Master (Scrum.org PSM I)
- Working proficiency in French