

Adam Carruthers

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Enthusiastic, efficiency-oriented self-starter motivated by challenges.

Education

BSc Computer Science, McGill University (Major GPA: 3.48) September 2011-present

Courses in algorithm analysis and design, object oriented design, functional programming, software design patterns, machine learning, distributed systems, and operating systems.

Experience

Software Developer Intern (Platform Engineering), MindGeek Montréal, Québec — May 2015-present

- Designed and developed an in-house equivalent of Google Analytics that handles ~55k impressions/second.
- Derived metrics that provide insights into user behaviour patterns and ad performance.
- Designed and implemented a REST API using Swagger for design, and Jersey/JAX-RS for implementation.
- Wrote a Samza stream processing worker in Java, unit tested in Groovy, and deployed in Hadoop YARN.
- Implemented a real-time map of incoming impressions through a streamed REST API.

Software Developer Intern, CloudOps Montréal, Québec — January 2015 - April 2015

- Made use of object oriented design principles and software design patterns to design and implement features.
- Presented new product features to marketing, sales, and the executive team during a sprint demo.
- Contributed to the design of application architecture, including asynchronous task orchestration framework.

eCommerce Consultant, ERP Guru Montréal, Québec — May 2014 - August 2014

- Heavy involvement in the design, implementation, and go-live of a multimillion-dollar eCommerce store.
- Organized web practice roundtables and regularly made presentations to clients as well as co-workers.
- Mentored and trained four new members of the eCommerce team.
- Developed strong, positive relationships with clients.

Volunteer Tutor, Computer Science Help Desk Montréal, Québec — January 2014 - April 2015

- Helping peers with computer science concepts.

Group and Personal Projects

- UnsubMe.ca - an email unsubscribing web app - ContextIO prize winner at McHacks 2015
- Extensible markup language that compiles to HTML
- Matching Canadians with their future hometowns using census data
- Facial recognition software using mathematical methods
- Predicting McGill's energy needs with machine learning
- Client-side router for single-page web applications

Technical Skills

- JavaScript, HTML5, CSS3
- Java (Spring, Jersey, Android)
- Experience with SQL and NoSQL datastores
- git, Sublime, Eclipse, JIRA
- YARN, Kafka, Samza, CloudStack experience
- Experience implementing and using REST APIs
- Open source project contributions
- Testing experience - BDD, Mocking
- UI/UX design

Personal Skills

- Skilled communicator
- Enthusiastic team player
- Careful attention to detail
- Exceptional time management skills
- Positive, professional attitude
- Agile/Scrum experience
- Confident presenter

Interests

Teaching, learning, design, language, writing, playing guitar.