Andrew Robert McBurney

Full Stack Developer | Student Leader | Aspiring Engineer | Musician

Workplace Experience

Doximity

Software Engineering Intern

San Francisco, CA

May 2017 — Aug. 2017

- >> Converted background job processes from resque to sidekiq in internal deployment tool, and implemented a redis-based locking mechanism for restricting the number of deployment jobs to one job per staging/production environment (Ruby on Rails, Redis)
- >> Created an internal web scraper to guery GitHub's GraphQL API to find potential hires for engineering outsourcing: andrewrobertmcburney.com/blog/graphql-vs-rest (Ruby, GitHub GrahpQL API, PostgreSQL)

Vena Solutions

Toronto, ON

Software Developer Intern

Sep. 2016 - Dec. 2016

- >> Optimized SQL queries in a REST API by solving an n+1 query problem instance, fetching lazily loaded object members before object serialization, decreasing mean response time by 99% (~1m to <1s) for the endpoint (Java, MySQL, Hibernate)
- >> Placed second in pair test-case writing competition involving all developers at the company (~60 people), judged by the quality and quantity of test cases written (Java. JUnit. Selenium)

Projects & Open Source

Emerald Language

github.com/emerald-lang

Sep. 2016 - Present

- >> Co-designed and implemented a whitespace-delimited HTML5 templating engine with support for variable scoping, interpolation, iteration, and conditional logic (C++ & Boost, Ruby)
- >> Implemented a minimum viable product and proof of concept in Ruby as a gem

petermcburney.com

github.com/AndrewMcBurney/petermcburney.com

Feb. 2016 - Apr. 2016

>> Built my father's artwork and photography website by implementing a CRUD Ruby on Rails application for him to manage his business (Ruby on Rails, PostgreSQL, Heroku)

Advocacy & Representation

Vice President Academic

Waterloo Engineering Society

Sep. 2016 - Present

>> Student representative on ~10 university committees with the primary responsibilities of acting as a liaison and advocating on behalf of all undergraduate engineering students for issues related to academic affairs, co-op, and professional development



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github.com/AndrewMcBurney



andrewrobertmcburney.com

Programming Languages

Proficient

Experienced

Java, Scala, Python, Lua, SQL

Frameworks & Libraries

Web Frameworks

Databases

PostgreSQL, MySQL, SQLite

Testing

Templating & Stylesheets

Technical Skills

Tools & Services

Git, Docker, Redis, Vagrant

Hosting Providers & Services

Continuous Integration

CircleCI, Jenkins, TravisCI

Education

Bachelor of Software Engineering

University of Waterloo

Interests

Distributed Systems

Functional Programming