Michael **Gerakis**

SOFTWARE ENGINEER · ASPIRING WEB DEVELOPER

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Education

Boston University
B.A. IN COMPUTER SCIENCE
Sep. 2013 - Jan 2017
ACHIEVEMENTS:
- Cumulative GPA: 3.66 / 4.0
- Major GPA: 3.69 / 4.0
- Dean's List 3/4 Semesters

Coursework

Operating Systems
Distributed Systems
Software Engineering
Advanced Software Systems
Computer Systems
Probability in Computing
Programming Languages

Skills

Programming
- JavaScript
- Python
- HTML5/CSS3
- C/C++
- Assembly/NASM
- Go
- Haskell

Web Frameworks/Architectures
- React with Redux/Flux
- Polymer
- Web Components
- CSS Modules
- Node.JS
- Ruby on Rails
- Various build tools (Gulp, Webpack, SASS/Preprocessors)

Experience

Google | SOFTWARE ENGINEERING INTERN - YOUTUBE MAIN WEB APP
May 2016 - Aug. 2016 | MOUNTAIN VIEW, CALIFORNIA
- Incorporated Lighthouse, an open source developer's tool created by the Chrome team, into the YouTube front-end testing suite as a continuous integration tool to prevent performance regression.
- Extensively communicated and coordinated between different teams from various offices in order to integrate the necessary tools together to create an easy to use tool with a customizable API.
- Implemented new elements on the YouTube main desktop app and contributing to the Lighthouse open source project.
- Presented at an internal Google conference with Paul Irish, demonstrating the various use cases and advantages of using Lighthouse inside the Google codebase.

Polis Politics | FULL STACK ENGINEERING INTERN
Jul. 2015 - May 2016 | BOSTON, MA
- Designed dynamic data visualizations of voter support and turnout in designated precincts using campaign canvassing data and the Google Maps API.
- Set up the necessary back-end database infrastructure and API endpoints to support the client-side map visualizations.
- Participated in local campaign canvassing events to build better user stories and strengthen relationships with consumers.
- Used ES2015 JavaScript, React, Flux, and Node.JS extensively.

BU Alumni Association | STUDENT SQL PROGRAMMER
Sep. 2015 - Feb. 2016 | BOSTON, MA
- Collaborated with a database administrator to collect, aggregate, and analyze data for the Boston University Alumni Association.
- Built custom SQL queries, stored procedures, and accompanying models on the consumer relationship manager's front-end to support the BU Alumni Association with data creation and visualization.

BU Course Assistant | MET CS201, INTRODUCTION TO PROGRAMMING
Jan. 2015 - Aug. 2015 | BOSTON, MA
- Graded assignments and held office hours to assist students and help them get a better understanding of the course and its topics.

Projects

MyOS | OPERATING SYSTEM MADE IN CS552
http://github.com/michaelgerakis/myos
A bare metal operating system made with partner Patrick Gomes in CS552, Operating Systems. This OS has a file system that stores up to 2MB of data and also supports multiple threads. Created from scratch, as all design, prototyping, and testing was done by my partner and I.

Toggl CLI | A COMMAND LINE INTERFACE FOR THE TOGGL.COM API
http://github.com/michaelgerakis/ToggleAPIWrapper
A command line interface for the Toggl API, written to make logging hours more efficient. Provides ability to describe, log, and view entries without having to navigate to the website.

C Web Server
http://github.com/michaelgerakis/C-Web-Server
A simple web server written in C as an assignment for CS410, Advanced Software Systems. The server provides a directory listing, serves webpages with various assets, and runs server side scripts using url parameters as arguments.