

# 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
- C/C++
- Assembly/NASM
- Go
- Haskell

### Web

- Polymer
- React with Redux
- Express with Node.JS
- Ruby on Rails
- HTML5
- CSS/SASS

## 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, showcasing the various use cases and advantages of using Lighthouse inside the Google codebase.

### Polis Politics | FULL STACK ENGINEERING INTERN

July 2015 - May 2016 | [Boston, MA](#)

- Composed 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 Es6 JavaScript, React, and Node.JS extensively.

### BU Alumni Association | STUDENT SQL PROGRAMMER

Sep. 2015 - Feb. 2016 | [Boston, MA](#)

- Worked with a full-time programmer 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

Spring and Summer Semesters, 2015 | [Boston, MA](#)

- Graded assignments and held office hours to assist struggling students 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. This OS has a file system that stores up to 2MB of data and also supports multiple threads. The instructor provided no starter code, and all design decisions, 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. The server provides a directory listing, serves webpages with various assets, and runs server side scripts using url parameters as arguments.