Michael Geng

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Education

UNIVERSITY OF MICHIGAN — Ann Arbor, MI
B.S. Computer Science, GPA: 3.1 — *Expected: December 2018*

Selected Coursework: Web Databases & Information Systems · Software Engineering · Computer Security · Computer Organization · Agile Web Development · Data Structures & Algorithms · Statistics & Data Analysis · Essentials for Computer Scientists · Foundations of Computer Science

Experience

NIKE — Beaverton, OR
Software Engineer Intern — *Summer 2018*
- Developed Slack Backend API routes with **Flask** framework from **Python** to automate internal workflows
- Created Frontend Dashboards using **React**, **Redux**, and **Node.js** within **JavaScript** to display API data
- Technologies: React, Redux, Python, JavaScript, Git, Jira, Jenkins, Flask, Docker, and AWS (Lambda, EC2)

THE MICHIGAN DAILY — Ann Arbor, MI
Software Engineer — *Winter 2018*
- Worked with student software engineers to build mobile application in **React Native** for iOS and Android
- Worked in an agile team environment and participated and contributed to new ideas for mobile application

GENERAL MOTORS FINANCIAL — Detroit, MI
IT Special Projects Intern — *Winter/Summer 2017*
- Worked with developers, business analysts, and leadership to improve intranet site performance user engagement through eliminating legacy code in front-end view with **HTML** and **CSS**
- Created responsive web pages using **jQuery** library within **JavaScript** to modify and eliminate legacy code

ADVANTAGE COMPUTING SYSTEMS — Ann Arbor, MI
Systems Analyst Intern — *Summer 2016*
- Worked alongside developers, business analysts, and VP's to deliver software releases to international clients
- Provided SQL application support in **mySQL** to test new deliverables and assist in large-scale data migration
- Implemented workflow through internal web solution to **automate** time-off requests, eliminating paper usage

CODE-M — Ann Arbor, MI
Computer Science Tutor — *Winter 2016*
- Provided tutoring for projects in office hours for students in EECS 183 - Elementary Programming Concepts
- Taught concepts in **C++** and **Python** such as strings, arrays, functions, classes, testing, and program design

UNIVERSITY OF MICHIGAN MEDICAL SCHOOL — Ann Arbor, MI
Research Assistant — *Summer 2015*
- Worked with PhD students to develop intestinal stem cells to regenerate damage from chemotherapy
- Assisted lab with cell culturing, gel electrophoresis, and generated **40%** more protein than previous best case

Projects

Shed-It, *Reddit Bot @ /u/Shed-it*
- Created reddit bot utilizing **Python Reddit API Wrapper** to access Reddit's API for dieting comments
- Bot scans 200 latest comments every 20 seconds looking for keywords indicating a user's desire to lose weight

HomePlate, *Web App @ Code for Good by JPMorgan Chase & Co.*
- Worked in a team of four university students to build a web diary application for underprivileged children
- Developed full-stack web app using Node, Angular, Google Firebase, HTML/CSS, JavaScript, and jQuery.
- Demoed and presented product to J.P Morgan executives and members of nonprofits in Chicago ⊪View

MichaelHGeng.com, *Personal Website*
- Built personal website utilizing HTML, CSS, JavaScript, jQuery, etc. to learn essentials of web development
- Utilized JavaScript libraries **Chart.js** to display skill progression and **Typed.js** to greet site visitors

Wolverine Schedulizer, *Web App @MHacks X*
- Utilized **REST APIs** on Universities Course API to implement an alternative to existing Course Guide
- Built with **Python** Back-End using the **Flask** library to represent JSON data in **HTML/CSS** Front-End

Skills

- Languages: Python, C++, JavaScript, SQL, NoSQL, HTML, CSS
- Frameworks: ReactJS, NodeJS, Flask, jQuery
- Databases: SQLite, MySQL, MongoDB, Google Firebase
- Technologies: Git, NPM, Sass, Webpack, Redux, Babel, REST APIs, AWS

Extracurriculars

- External Chair Member of Code-M, a student organization providing resources to computer science students
- Active member of Michigan Yoga Club, MLift, and Michigan Rock Climbing Club