

Michael Geng

734.546.5913 · U.S. Citizen · michaelhgeng@gmail.com

Education

UNIVERSITY OF MICHIGAN

B.S. Computer Science

Ann Arbor, MI

Graduated 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

MICROSOFT

Software Engineer II

Redmond, WA

Summer 2020 - Current

- Utilized C# and React to build out new Web Experiences in Windows Start Up Pages
- Worked with Data Scientists to reduce time experimentation time by building new API for content delivery
- Technologies: C, JavaScript, React, Azure

NIKE

Software Engineer I

Beaverton, OR

Spring 2019 - Summer 2020

- Developing and deploying microservices using **Spring Boot** in **Java** and **Express** in **Node.js** into AWS
- Worked with engineers on new REST endpoints regarding consumer cart, checkout, and payment transactions
- Responsible for writing Unit, End-to-End, and Integration tests of new features and deploying with **Jenkins**
- Technologies: Java, Spring Boot, Node.js, Express, JUnit, Mocha, Cucumber, Mockito, AWS (EC2, Lambda)

NIKE

Software Engineer Intern

Beaverton, OR

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

Software Engineer

Ann Arbor, MI

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

IT Special Projects Intern

Detroit, MI

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

Systems Analyst Intern

Ann Arbor, MI

Summer 2016

- Worked along side 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

Computer Science Tutor

Ann Arbor, MI

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

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 Scheduler, 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: Java, C, Python, C++, JavaScript, SQL, NoSQL, HTML, CSS
- Frameworks: Spring Boot, .NET, Node.js, React.js, Flask, jQuery
- Databases: DynamoDB, SQLite, MySQL, MongoDB, Google Firebase
- Technologies: Git, NPM, Spring, Express, Webpack, Redux, Babel, REST APIs, AWS, Azure