ALBERT K. NGUYEN

San Francisco, CA 94127
(415) 876-8796 | albertkn37@gmail.com
github.com/albertknguyen | albertknguyen.github.io

EDUCATION

University of California, Merced, CA   **Expected Graduation: May 2020**
- B.S., Computer Science and Engineering
- Major GPA: 3.27

RELEVANT COURSEWORK
- Data Structures
- Algorithm Design and Analysis
- Computer Organization and Assembly Language
- Computer Networks
- Operating Systems
- Computer Architecture
- Software Engineering
- Intro to Artificial Intelligence

EXPERIENCE

Software Engineer, **Sweep Energy (Startup)**   **July 2019 - Current**
- Design and develop front-end architecture and views for hybrid app using **Angular** and **Ionic**
- Develop a dynamic directory system, allowing users to add subdirectories, devices, and notifications
- Implement device dashboard to display real-time time series data onto a graph
- Streamline development process by creating CI/CD pipeline using **Gitlab**, **Postman**, and **Docker**
- Implement functions to handle and process data from API gateway using **Node.js**

PROJECTS

Loan Application Web App, **Company Sponsored Capstone Project (Oportun, Inc.)**   **Fall 2019**
- Awarded **Top Finisher** at UC Merced's Mobile App Challenge measured by the ability to meet the sponsor's expectations
- Developed API endpoints for document upload, text extraction, and search using **Java**, **Spring Boot**, and **AWS**
- Implemented the extraction of document information using **Java** and **AWS**
- Connected all front-end views to the back-end endpoints through API calls using **Angular**

Autonomous Ball Collection Robot, **School Club Project**   **Spring 2018**
- Team engineering project to build an autonomous ping pong ball collection robot
- Collaborated and designed with a team of different engineering students
- Created the circuit to connect the sensors and motors to an Arduino microcontroller
- Programmed the infrared and color sensor for position control and ball detection using **C/C++**

SKILLS
- Programming Languages: C/C++, Java, Javascript, Typescript, Python
- Frameworks: Node.js, Express.js, Angular, React, Spring Boot
- Technologies: Git/Github, Linux, REST, AWS, Postman, jQuery, HTML, CSS
- Understanding of computer networking fundamentals
- Ability to work independently and collaborate in a team environment
- Passion and ability to learn new technologies quickly
- Enjoy learning, solving challenging problems, and making creations that incorporate my own design