CHARLES TOLENTINO

✉ ctolen1994@gmail.com 🌐 charlestolentino.com 📞 (650) 822-4920 📍 South San Francisco, CA in charlestol ⊙ chazt128

EDUCATION

University of California, Merced May 2019
B.S. Computer Science and Engineering
In-Major GPA: 3.34

College of San Mateo May 2017
A.S.T. Physics and Mathematics
Dean's List: Fall 2016, Spring 2017

SKILLS

Languages: Javascript, HTML/CSS, C/C++, Java, XML
Databases: MongoDB
Version Control: Git
Personal: Leadership, Self-Teaching, Communication, Team-Player, Event Planning

EMPLOYMENT

SFSU ICE Lab · Computer Engineering Intern June 2017 - August 2017
San Francisco, CA
- Developed a gesture recognition app with **Android Studio** that reads data from a Myo-Armband with a team of 6.
- Improved the usability of the app by fixing activity lifecycle inconsistencies and enabled background activity.
- Implemented save data methods in **Java** to store electromyography data in the android device's internal storage.
- Awarded Best Diversity Paper at the American Society for Engineering Education Zone IV Conference.

MESA Skyline College · Student Assistant February 2017 - May 2017
San Bruno, CA
- Assisted students with STEM courses (**C++**, **Java**, Math, Physics) and planning out future class schedules.
- Participated as a science fair judge at local elementary schools to promote STEM education.

PROJECTS

HackMerced 4.0 Mailing List

React.js, Node.js, Express.js, Mongoose.js, MongoDB
- Developed a mailing list web app that pre-registers email addresses for HackMerced's hackathon in Spring 2019.
- Utilized a validator library to validate the entered email and Mongoose to verify if the entered email exists.

Dollar Bill Classifier

React Native, TuriCreate, CoreML
- Developed an iOS mobile app that classifies the USD value of a dollar bill within the camera view with a team of 3.
- Utilized TuriCreate by importing over 20,000 images to create a trained CoreML compatible model.

Three-Day Planner

React.js, Node.js, Express.js, Mongoose.js, MongoDB
- Developed an online planner web app that lets users create an account or sign in to plan tasks 3 days ahead.
- Utilized an open-source MERN boilerplate as a starting template and learned basic fullstack development.

LEADERSHIP

HackMerced · Director of Engineering / Software Engineer May 2018 - Present
- Co-Leading the Engineering team consisting of a Backend, Frontend, Full-stack, Hardware, and IT team.
- Developed and designed web apps used for registration for HackMerced IV with React, Node, Express, and Mongoose.
- Cooperating with HackMerced executives in planning HackMerced's 4th annual hackathon to take place Spring 2019.
- Reserved rooms for weekly meetings and mentored members on Git and React to build software for the organization.

COURSEWORK

Relevant Courses

Algorithm Design and Analysis, Computer Architecture, Human-Computer Interaction, Object-Oriented Programming, Operating Systems, Computer Organization and Assembly Language, Introduction to Web Development, Data Structures