CHARLES TOLENTINO

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EXPERIENCE

COMPUTER ENGINEERING INTERN   SFSU ICE Lab

June 2017 – August 2017   **San Francisco, California**

- Collaborated in developing a gesture recognition application with **Android Studio** that utilizes data from a **Myo-Armband**.
- Implemented save data methods with **Java** to store electromyography data in the android's internal storage.
- Fixed activity lifecycle issue to allow app to run in background and collaborated in implementing new application features.
- Best Diversity Paper Award (Coauthor) at the American Society for Engineering Education Zone IV Conference.

MESA STUDENT ASSISTANT   MESA Skyline College

February 2017 – May 2017   **San Bruno, California**

- Assisted students with STEM courses (**C++**, **Java**, math, physics) and planning out semester courses.
- Promoted a welcoming, friendly, and enjoyable, learning environment for students, staff, and visitors.
- Participated as a science fair judge at local elementary schools in efforts to promote STEM education

LEADERSHIP

DIRECTOR OF ENGINEERING   HackMerced

May 2018 – Present   **Merced, California**

- Co-Leading Engineering Department consisting of a Backend, Frontend, and Fullstack team for developing applications.
- Collaborating with the executives of HackMerced in planning HackMerced's 4th annual hackathon to occur Spring 2019.
- Meet weekly with team members, assigned tasks on **Github**, and mentored members on utilizing **Git** and **React**.
- Collaborated in finalization of placeholder site by merging pull requests and improved the design of the final product.

EDUCATION

B.S. COMPUTER SCIENCE AND ENGINEERING

University of California, Merced   **Graduating May 2019**

- Cumulative GPA: 3.0, Major GPA: 3.23

A.S.T. PHYSICS AND MATHEMATICS

College of San Mateo   **Graduated May 2017**

- Transfer GPA: 3.08
- Dean's List: Fall 2016, Spring 2017

SKILLS

Backend: C/C++, NodeJS, Java

Frontend: HTML/CSS, Javascript, XML

Databases: MongoDB

Version Control: Git

PROJECTS

DOLLAR BILL CLASSIFIER (iOS)
(React Native)

- A mobile app that tells the user the dollar value of the bill within the camera view.
- Utilized a text-to-speech library to feature auditory feedback when a bill is in view
- Used Apple's TuriCreate framework to create a trained CoreML compatible model

THREE-DAY PLANNER
(MongoDB/Express/React/NodeJS)

- A planner application that lets a user sign in to plan upcoming tasks 3 days ahead.
- Utilized **MongoDB** to save a username and password when a user signs up
- Utilized an open source MERN-boilerplate as a template for this project.

ASK THE MAGIC EIGHT BALL
(React)

- A magic ball web application that may be useful for users with those indecisive days.
- Answer displayed is a random variant of yes or no upon a user-inputted question.

VOLUNTEERING

HACKMERCED 3.0   Fall 2017
University of California, Merced

- Assisted participants with checking in, food distribution, and hardware rentals.

ENGINEERING CLUB   Fall 2015
College of San Mateo

- Attended club council meetings to acquire news/updates and club funding.