

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, Fullstack, Hardware, and IT team
- 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
- Utilized 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.