

# 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.
- Awarded Best Diversity Paper (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

**Frontend:** HTML/CSS, Javascript, XML

**Backend:** C/C++, NodeJS, Java

**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.