

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, Swift, Java, Python

Frontend: HTML/CSS, Javascript, XML

Databases: MongoDB, AWS DynamoDB

Version Control: Git

PROJECTS

THREE-DAY PLANNER

(MongoDB/Express/React/NodeJS)

- A planner application that lets a user plan upcoming tasks 3 days ahead.
- Sign up saves user data with **MongoDB** to create a user account
- React Simple Storage uses the browser's local storage to save the added tasks.
- Utilized an open source MERN-boilerplate as a template for this project.

EASY BROWSER

(Swift)

- A simple **iOS** web browser app using **WKWebView** from the Webkit framework.
- Features safe browsing which only lets users visit websites saved in a safe list.

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.