

# 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 IV

React.js, Node.js, Express.js, Mongoose.js, MongoDB

- Developed the registration site with React.js for applicants to apply as a hacker or a volunteer with Typeform.
- Developed a fullstack mailing list web app that pre-registers an applicant's email address to receive HackMerced updates.

### 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 processing 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