

CHARLES TOLENTINO

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EDUCATION

University of California, Merced

B.S. Computer Science and Engineering
GPA: 3.3 (Major GPA: 3.47), Dean's List 2019

May 2019

College of San Mateo

A.S.T. Physics, Mathematics
Dean's List 2016-2017

May 2017

EXPERIENCE

Robert Half · Frontend Web Developer San Ramon, CA

September 2019 - Present

- Revamped and created several of the company's web pages utilizing the Drupal 8 CMS with a team of 6 web developers.
- Built responsive pages with HTML, CSS, Bootstrap, and Javascript/jQuery, emphasizing on accessibility to be ADA compliant.
- Collaborated with UX team to implement mockup designs and modules currently in production.

HackMerced · Director of Engineering Merced, CA

May 2018 - May 2019

- Built React frontends and a RESTful backend with Node, Express, MongoDB to enable emails to be stored for pre-registration.
- Collaborated with HackMerced directors weekly in planning the largest annual hackathon within the San Joaquin Valley.
- Managed a team of 12 Software Engineers and 2 Project Managers to build software for the organization.
- Instructed a React Native workshop and provided mentoring for Android Studio during the hackathon.

ICE Lab · Computer Engineer Intern San Francisco, CA

June 2017 - August 2017

- Utilized Android Studio with Java to develop an Android app for low-cost hand gesture recognition research with a team of 6.
- Implemented gesture creation for recognition training by enabling the user to add additional gestures to a list of default gestures.
- Integrated the android's internal storage to save 400 instances of electromyography data per gesture trained.
- Awarded Best Diversity Research Paper (coauthor) for a paper on research conducted with our app at the ASEE-ZONE IV 2018.

Skyline College · Student Assistant San Bruno, CA

February 2017 - May 2017

- Provided weekly mentoring for Math, Physics, and Computer Science C++ courses.
- Promoted STEM education for the youth by participating as a science fair judge at local elementary schools.

PROJECTS

Journaling

August 2019

React, Redux, Redux Saga, Reactstrap/Bootstrap, Node, Express, Mongoose/MongoDB

- Developed a journaling web app that enables users to write journal entries to be displayed in a chronological list view.
- Integrated filtering for quick look-up via textbox to persistently filter entries that contain the typed text as the user types.
- Built a RESTful backend to enable CRUD operations to be performed on journal entries to a MongoDB database.

SeekIt (Sponsored by Chan Zuckerberg Initiative)

February 2019 - May 2019

React, React Native, Firebase, Bootstrap

- Spearheaded a team of 4 to develop an education app that enables instructors to engage students in scheduled events for credit.
- Built the MVP by implementing student and instructor features assigned by 3 software engineers from our industry sponsor.
- Integrated Firebase for authentication, cloud firestore (NoSQL) for user and event data, and storage for image submissions.
- Awarded 1st place in the Chan Zuckerberg Initiative industry category at UC Merced's annual Mobile App Challenge.

Lil Bill

October 2018 - November 2018

React Native

- Collaborated with a team of 4 to build an iOS dollar bill classifier app for a case study on audio and tactile feedback.
- Implemented classification via camera to identify objects with rendered text and audio of the USD value if a dollar bill is detected.
- Utilized TuriCreate to process over 20,000 images (self-taken and online images) to create a trained CoreML compatible model.

SKILLS

Languages: Javascript, HTML, CSS, C++

Frameworks/Libraries: React, React Native, Redux, Bootstrap, Redux-Saga, jQuery

Tools/APIs: Firebase, Node.js, Git, MongoDB