THOMAS CHIN

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Skills

LANGUAGES

C++
Java
C
C#
HTML
CSS
JavaScript
Python

TECHNOLOGIES

Git
Android Studio
Visual Studio
React.js
Firebase/Firestore
ASP .NET Core
Arduino

Education

University of California, Riverside
Bachelor of Science in Computer Engineering in progress, Exp. 2020

Employment

UCR Housing Services
Residential Technical Lead — UC Riverside / Aug. 2018 to Current
- Provide IT services to on-campus residents and assist with their needs and requests
- Manage staff work schedules and teach them the necessary IT skills

UCR Leadership and Group Dynamics Lab
Website Developer — UC Riverside / May 2019 to Current
- Develop and maintain the official website for UC Riverside's Department of Psychology, to further their research
- Built using the ASP .NET Core framework (C\#) and structured in a Model-View-Controller pattern
- In charge of sending survey data to and from Firebase using Cloud Firestore

Projects

Tboard — Oct. 2019 to Dec. 2019
- Arduino-powered DIY electric skateboard controlled by a Wii Nunchuck
- Contains two pressure sensors to detect foot-placement and stop the board if necessary
- Used for everyday commute to and from campus

Medical Elbow Orthosis Robotic Arm — July 2019 to Sept. 2019
- Re-designed a robotic arm for a five-year old with Acute Flaccid Myelitis
- Continuation of a final project for UC San Diego's MAE 156B class
- Utilized Arduinos, motors, and flex cable sensors

BioHack — Jan. 2019 to May 2019
- Re-design and maintained the website for UC Riverside's BioHack hackathon
- Worked in a team of four to maintain the website

EasyPark @ UCR — Mar. 2019 to June 2019
- Android application that allows users to see parking spot availability at UCR in real-time
- Integration with the UCR Transportation Services website, Google Maps API, and Firebase

Audio Visualizer — Feb. 2019 to Mar. 2019
- Designed an audio visualizer that receives audio input from an auxiliary cable and displays the \newline ADC value on an LCD screen in real-time
- Utilized Atmel Studio 7, Analog-To-Digital conversion, and the ATMega1284 micro-controller

Experiences/Volunteering

Theta Tau · Media Chair — 2017 to Current
- Organized and hosted a public professional development panel on the topic of post-graduation, bringing in alumni, engineering teachers, and a manager from HP Inc.
- Starting a group project to restore used and broken laptops/computers and donate them to low-income families and schools