

# THOMAS CHIN

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## Skills

### LANGUAGES

C++ (Expert)

Java (Intermediate)

C (Intermediate)

C# (Novice)

JavaScript (Novice)

Python (Novice)

### TECHNOLOGIES

Git

Android Studio

Visual Studio

React.js

Firebase/Firestore

ASP .NET Core

Arduino

Bootstrap

## Education

University of California, Riverside

Bachelor of Science in Computer Engineering in progress, Exp. July 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 Jan. 2020

- 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

### Personal Website

Mar. 2020 to Current

- My custom website built from scratch, which contains project work and personal hobbies
- Built with React JS and hosted with GitHub Pages
- mrthomaschin.github.io/homepage/

## 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