

Thomas Chin

Software Engineer - San Diego, CA

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Technical Skills

C++ (Preferred)

Java

C

C#

HTML5

CSS3

Javascript

Python3

Verilog

Tools

React JS

Bootstrap

ASP .NET Core MVC

Node JS

RESTful API

Flask

MongoDB

Firestore

AWS

JSON

Embedded Systems

Arduino/Raspberry Pi

Git

Travis CI

Visual Studio / VS Code

Figma

Education

University of California, Riverside

Exp. July 2020

B.S. Computer Engineering

Relevant Courses

Data Structures & Algorithms

Software Engineering Principles

Operating Systems

Logic Design

Software Construction

Embedded & Real-Time Systems

Circuit Analysis

Concurrent Programming

Architecture of Computer Systems

Digital & Analog Signals & Systems

Projects

Readit

Mar 2020 - Jun 2020

React JS, RESTful API, MongoDB, Node JS, Flask

- Full-stack web application that assists college representatives by gathering information of universities on multiple social media platforms
- Assembled front-end (React JS) and initialized back-end (Flask, MongoDB)
- Allow universities to create accurate representations and better reputations

R'Mailbox

Mar 2020 - Jun 2020

C++, AWS, Raspberry Pi, ATmega1284, Embedded Systems

- Designed a smart mailbox to protect parcels and prevent mail theft
- Integrated 2 factors of security (facial/finger verification), Amazon Web Services, and real-time interactive SMS notifications
- Spearheaded continuous integration (Python, C++) with 10+ unit tests

Personal Website

Mar 2020 - Present

React JS, Bootstrap, Javascript

- My portfolio website, constructed from scratch during the beginning of the COVID-19 quarantine, to showcase project work and personal interests
- Dynamically structured with React JS and hosted with GitHub Pages

Tboard

Oct 2019 - Dec 2019

C++, Embedded Systems, Arduino

- Customized an Arduino-powered electric skateboard controlled by a Wii nunchuck in a span of 2 months
- Optimized to provide students with a cheap and efficient method of commute to campus, boasting a 20mph top speed and 13 mile range

Experiences

Website Developer

May 2019 - Jan 2020

UCR Leadership and Group Dynamics Lab · Riverside, CA

- Co-authored the website for UC Riverside's Leadership and Group Dynamics Psychology lab with a team of 4, to further their research
- Redesigned and organized the website from the ground up with ASP .NET Core MVC Framework, introducing a more versatile structure

Website Developer

Jan 2019 - May 2019

BioHack @ UCR · Riverside, CA

- Constructed the official website for UC Riverside's BioHack hackathon which produced a headcount of 200+ participants
- Deployed both the landing and live page to showcase information