

# Daniel Truong

Passionate Software Engineer with 1+ years of industry experience. Seeking full-time opportunity. Interests in Full Stack, Backend, Infrastructure, and Product.

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## education

**University of California - San Diego (UCSD) | Expected Graduation: Jun 2022**

**Computer Science (B.S.) + Entrepreneurship Minor | GPA: 3.73 (Provost Honors)**

**Courses (received A's):** Networked Services, Recommender Systems, Database Systems Principles, Operating Systems, Software Engineering, Design/Analysis of Algorithms, Product Marketing, Statistical Methods

**Organizations:** ACM (Director), ACM Hack (President), IEEE UCSD, SD Hacks, Table Tennis Club, Triton Smash

## work experience

**Hatch | SWE Intern + Kleiner Perkins Fellow | Jun '21 – Present | Kotlin + Spark + PostgreSQL + React + AWS**

- Working in **Financial Products**, team focused on building core functionality for **thousands of small businesses**
- Improving testing pipeline & integrating w/ frontend to deliver features new **Hatch Perks** portal

**Microsoft | SWE Intern (x2) | Apr '21 – Jun '21 / Jun '20 – Sep '20 | Angular + Typescript + C# + .NET + Azure**

- Worked on the **Incident Management System** used by **20k internal engineers daily**
- Added end to end features such as **team suggested recommendations** to **reduce users' time to mitigation**
- Collaborated with PMs and Designers to **develop, optimize and improve searchability of incidents** via tagging
- Hosted design reviews and bug bashes to properly plan development and ship features with careful review

**Tesla | SWE Intern | Jan '21 – Apr '21 | Golang + WebSockets + React + WebRTC + K8s + Docker + C++**

- Worked in **Mobile Robot Engineering** team, on teleops for autonomous guided vehicles (AGV)
- Solo constructed a **scalable video communication pipeline** with multiple interconnected projects to stream camera feed from AGV to the web with scale for **100+ AGVs** in mind
- Engineered **Golang** client to accept camera feed & stream via **WebRTC**, deployed to the AGVs using **Docker**

**Google | SWE (Practicum) Intern | Jun '19 – Sept '19 | Java + JS + Closure + Protocol Buffers**

- Delivered **2 end-to-end projects** for the **Google Admin Console Enterprise team** reaching **10,000+ users**
- Completed **over 30 completed code reviews** with proper UI and JUnit testing
- Improved administration console by providing easier internal accessibility to data metrics

**UC San Diego – Computer Science & Engineering | CSE Tutor | Mar '20 – Present | Python + C++**

- Resolved **100+ tickets** for the upper division course: **Advanced Data Structures (CSE 100)**
- Tutored concepts such as KDTrees, String Search, Huffman Encoding, Graph Theory, Dijkstra's Algorithm, etc

## leadership

**Platter | CTO & Co-Founder | Jun '20 – Apr '21 | React Native + Express + Typescript + MongoDB**

- Led development of **cross-platform mobile app** for a homecooked meals marketplace with team of 10
- Engineered the product's engineering infrastructure & pipelines through **automation & GitHub Actions**

**ACM Hack @ UCSD | President & Co-Founder | Apr '19 – Present | Full-Stack + Python + REST API**

- Taught over 20 workshops with **500+ attendees** in Full-Stack and scripting technologies
- Developed a **MERN stack** project **with curriculum** for over **50** students to build over **6-week period**

## projects

**Don't Back Out | 1st @ IEEE Projects Competition | IoT + Android | [github.com/daniel-d-truong/don-t-back-out](https://github.com/daniel-d-truong/don-t-back-out)**

- Built **wearable slouch detector** connected in real time with **mobile Android app** via Bluetooth

**Covid Daily | Personal Project | Flask + React + Typescript + Web Scraping | [master--coviddaily.netlify.app/](https://master--coviddaily.netlify.app/)**

- Created web application to **view COVID data + news by country**, with **Flask** backend and **React** frontend

## skills

**Languages:** Golang, Kotlin, Typescript, Javascript, Python, Java, C++, C#, SQL, HTML/CSS

**Frameworks/Libraries:** React.js, Express.js, React Native, Flask, Angular, JUnit, PyTest, WebRTC, Spark Java, .NET

**Tools:** Docker, Kubernetes, MongoDB, PostgreSQL, Postman, TravisCI, Azure, Google Cloud, GitHub Actions

**Certifications:** Cloud Computing (Azure) Fundamentals by Microsoft, IT Fundamentals by CompTIA

**Hobbies:** Chess (1500 Rapid Rating), Photography, Hiking, Gaming