

Daniel Truong

Passionate and driven Software Engineer seeking full time opportunities.
Specializations in Full Stack, Backend distributed systems, 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

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 | Incoming SWE Intern + Kleiner Perkins Fellow

- Working under the **backend team** to work on adding features and improving automation pipelines

Microsoft | SWE Intern | Apr '21 – Present | Angular + Typescript + C# + .NET + Azure

- Working under the **Incident Management System** team to add custom recommendation features expected to be utilized by over **20k internal engineers daily**

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

- Worked on **Mobile Robot Engineering** team to create remote software for factory robots
- Solo constructed robot video communication pipeline from scratch with 3d environment rendering via **Three.js** and **React**, and media server deployments via **K8s** and **Docker**

Microsoft | SWE Intern | Jun '20 – Sept '20 | Angular + Typescript + C# + .NET + Azure

- Worked under the **Incident Management System** team used by **20k internal engineers daily**
- Developed, designed, and deployed **end-to-end** projects that improved searchability of incidents
- Collaborated with PMs and Designers to define customer requirements and optimize usability

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** used by **about 20 developers** to more efficiently aid in the launch of the new product with proper **unit, integration, and UI testing**
- Met **all key deliverables** for the **12-week project** in **8 weeks** with **over 30 completed code reviews**

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

- Resolved **over 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

- Leading 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

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

Covid Daily | Personal Project | Flask + React + Typescript + Web Scraping | master--covidaily.netlify.app/

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

Distributed KeyStore | Networking Course Project | Golang

- Developed **quorum-based protocol** that stores **keys and values**, based on Amazon's DynamoDB, resolving conflicts through **vector clocks**

skills

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

Frameworks/Libraries: React.js, Express.js, React Native, Flask, jQuery, Angular, JUnit, PyTest, Pion (WebRTC)

Tools: Docker, K8s, MongoDB, PostgreSQL, Postman, Powershell, Nginx, TravisCI, Azure, Google Cloud