Daniel Truong

Passionate and driven Software Engineer seeking full time opportunities.
Interests in Full Stack, Infrastructure, Distributed Systems, and Product.

US Citizen
Website   **danieltruong.net**
Email   **ddtruong06@gmail.com**
LinkedIn   linkedin.com/in/**daniel-d-truong**
Github   **github.com/daniel-d-truong**
Devpost   **devpost.com/daniel-d-truong**

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 Credit | Incoming SWE Intern + Kleiner Perkins Fellow | Apr '21 - Present
- Working under the **backend team** to work on adding features and improving automation pipelines

Microsoft | SWE Intern (x2) | Apr '21 – Present / Jun '20 – Sep '20 | *Angular + Typescript + C# + .NET + Azure*
- Worked under the **Incident Management System** team used by **20k internal engineers daily**
- Adding **end to end** features such as team suggested recommendations to reduce users' time to mitigation involving **cross collaboration** between multiple teams and products **with scalability and data cleanup in mind**
- 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 on **Mobile Robot Engineering** team to create remote software for autonomous guided vehicles
- Solo constructed a **scalable video communication pipeline** to stream camera feed from AGV to the web
- Leveraged **K8s + Docker** to deploy **Golang** media server and **Redis** instance to establish **WebRTC** connection
- Engineered and deployed **Golang** client into AGVs to stream RGB camera feed via **WebRTC** and **JsonRPC**
- Designed multiple **React** components to render video, such as an AR **3D camera view** component

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

Distributed KeyStore | Networking Course Project | *Golang*
- Developed **quorum-based protocol** leveraging **vector clocks** with over 10 nodes storing key value pairs

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