

# Daniel Truong

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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

Microsoft | Incoming SWE Intern | Apr '21 – Jun '21

Tesla | SWE Intern | Jan '21 – Present | GoLang + gRPC + React + WebRTC

- Working in **Mobile Robot Engineering** team to create remote software for factory robots

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 – Present | 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

<http://acmurl.com/hackschool>

- 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**

Schoolhouse Ghana | Software Lead | Mar '20 – Jun '20 | React + Node.js + MongoDB + Express

[github.com/UCSD-Global-TIES/react-schoolhouse-ghana](https://github.com/UCSD-Global-TIES/react-schoolhouse-ghana)

- Developed **on-prem school resource hub** for schools in Ghana with the **Godfreds Foundation** (nonprofit)
- Managed **team of 6** through weekly scrums to build **additional MongoDB models, REST API routes, and React UI**

## projects | hackathons: 15

Don't Back Out | 1<sup>st</sup> Place @ IEEE Projects Competition

IOT + Arduino + Android + Java | [github.com/daniel-d-truong/Don-t-Back-Out](https://github.com/daniel-d-truong/Don-t-Back-Out)

- Built **wearable slouch detector** connected with **mobile Android app**

Covid Daily | Personal Project

Flask + React + Typescript + Web Scraping | [covidaily.info](https://covidaily.info)

- Developed **web application** to see COVID data + news by country

Nachos O.S. | Operating Systems Course Project | Java + C

- Created a Nachos OS, implementing Threads & Processes, system calls, virtual memory, multiprogramming & demand paging

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:

Javascript/Typescript, Python, Swift, Java, C#, C, C++, Bash, R, HTML/CSS, SQL, Go

**Frameworks:** Node.js, Express, .NET, Flask, React, React Native, Angular, MongoDB, Firebase, PostgreSQL, SQL Server, Pandas, Scikit-learn, Tensorflow

**Tools:** Azure, GCP, AWS, Git, Docker, Postman, Github, TravisCI

**Others:** Networking, Operating Systems, Distributed Systems