

# Henry Trinh

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## Education

### University of California Los Angeles

Bachelor of Science in Computer Science

Expected Graduation in June 2022

Major GPA: 3.9

## Experience

### Snap Inc.

Software Engineer Intern

- Boo

Los Angeles, CA

Summer 2021

### Nuro

Software Engineer Intern

- Machine Learning Infrastructure

Mountain View, CA

Spring 2021

### Tesla

Software Engineer Intern

- Developed new search feature for locating amenities surrounding a user-selected Supercharger

Palo Alto, CA

September 2020 - PRESENT

### Amazon

Software Development Engineer Intern

- Improved scalability and performance for console infrastructure by migrating to serverless architecture
- Built new pipeline for automated, progressive deployments of certificate manager service with automatic rollbacks
- Implemented server logs and latency metrics using AWS CloudWatch

Seattle, WA

June 2020 - September 2020

### Center for Vision, Cognition, Learning, and Autonomy

Research Assistant

- Researching deep learning under Professor Song-Chun Zhu for path planning and trajectory prediction in self-driving vehicles
- Developed LSTM neural network with social pooling to determine possible trajectories of human movement in dense crowds
- Created tool to preprocess raw data into loadable binary files, improving data pipeline performance

Los Angeles, CA

April 2020 - PRESENT

### Daily Bruin

Lead Software Developer

- Created and deployed 10+ interactive web applications with 100k+ views with a team of 10 developers
- Built database infrastructure and wrote APIs for multiple projects
- Constructed customizable components for the Daily Bruin Lux library to improve development speed

Los Angeles, CA

April 2019 - June 2020

## Projects

### Tongits

tiny.cc/tongits

- Implemented Android application of a Filipino card game with AI opponents, music, and point scoring
- Gained over **13,000 downloads on Google Play Store**

## Skills

**Languages** Python, Java, C++, C, JavaScript, TypeScript, SQL, HTML, CSS

**Frameworks + Tools** PyTorch, React, Django, Node, Git, Docker, OpenCV, MongoDB, MySQL, PostgreSQL, Numpy

**Technologies** Machine Learning, Android, Computer Vision, SLAM, Databases, Web Development