

# Dennis Li

SOFTWARE ENGINEER

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“Quality is not an act, it is a habit.” - Aristotle

## Summary

A computer scientist with industry experience in both backend and frontend, seeking to work at the forefront of software and technological development. An avid learner and problem solver currently fascinated by topics in computer vision and algorithm development

## Education

### UCLA (University of California, Los Angeles)

Los Angeles, CA

B.S. IN COMPUTER SCIENCE

Sept. 2020 - Jun. 2024

- GPA: 3.7; Dean's Honor List
- Relevant Coursework: Software Construction, Operating Systems, Computer Architecture, Computer Systems and Design, Data Structures, Neural Networks and Deep Learning
- Social Media Chair for Upsilon Pi Epsilon (Computer Science Honors Society for top 1% of students)

## Work Experience

### Amazon

San Diego, CA

SOFTWARE DEVELOPMENT ENGINEERING INTERN

Jun. 2023 - Sept. 2023

- Collaborate with a team of engineers and ML scientists in the Buyer Abuse Prevention organization.
- Investigate and close loopholes used by organizations to exploit return/refund policies, saving hundreds of millions annually.
- Utilize Java as the primary programming language for development tasks.
- Leverage a range of AWS offerings, including SNS, Lambda, EventBridge, Step Functions, and more.
- Apply Typescript and Python for specific projects within the team.
- Collaborate with cross-functional teams to drive innovation and enhance fraud prevention measures.

### General Atomics

Poway, CA

SOFTWARE ENGINEERING INTERN

Jun. 2022 - Sept. 2022

- Created new testing framework to plan missions for the MQ-9 Reaper, one of the top military drones in the world
- Implemented functionality for automating the creation of operational missions and loiters
- Using the linux file system and the testing framework, write Python scripts to automate the testing of mission planning
- Fulfilled 250+ testing requirements

### Northrop Grumman

San Diego, CA

SOFTWARE ENGINEERING INTERN

Jun. 2020 - Sept. 2021

- Devised a workflow to review standardized processes and process documents using Python's pandas packages and **improved efficiency by 40%** by automating the initial review process of scanning **5000+ document pages** to find reference numbers
- Created **website accessible to 95,000+ employees** where they can learn about different engineering processes in Northrop Grumman's database through a user-friendly interface
- Created list of 50+ startup companies that align with Northrop Grumman's mission using a **keyword-based search algorithm** that matched text descriptions of different company websites

## Skills

**DevOps** AWS, Vagrant, Azure

**Back-end** Django, REST API, Git, Subversion, Data Encryption

**Front-end** CSS/HTML, React

**Programming** C++, C, Node.js, Python, JAVA, LaTeX

**Languages** Chinese, English, Spanish

**Concentrations** Machine learning, embedded systems, computer networks, web development, databases, cloud computing