

Elliot Alexander Lee

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Computer Science undergraduate student at UC San Diego with an extensive background in OOP and algorithm design, programming languages, project testing and debugging.

EDUCATION

University of California San Diego

Sept 2019 – Expected: June 2023

La Jolla, CA

Computer Science (B.S.)

GPA: 3.77

Computer Science Coursework: Object-Oriented Programming: Java, Basic Data Structures and Object-Oriented Design, Software Tools and Techniques, Computer Organization and Systems Programming, Advanced Data Structures, Design and Analysis of Algorithms, Data Science, Digital and Computer Architecture Design, AI: Search and Reasoning, Unsupervised Machine Learning, Calculus III, Advanced Linear Algebra

Awards: Provost Honors

Technical Skills

Languages: Java, JavaScript, TypeScript, Swift, C++, Python, C, ARM, HTML, CSS, MATLAB, R

Frameworks: Node.js, React, Next.js, React Native, Java Spring, Express.js, Spock, Mockito, JUnit

Other: Git, UNIX, Object Oriented Design, Algorithm Design, Dynamic Programming, Black Box/White Box Testing, Mock Testing, MERN, Frontend/Backend Web Development, Google Cloud Applications, Amazon Web Services, Windows OS, MacOS, SCRUM, Kanban

WORK EXPERIENCE

SDE Intern (L4) @ Amazon

June 20, 2022 – Sept 9, 2022

Seattle, WA

Develop a Command Line Interface for onboarding internal users to a configuration and data management service.
Continuous **Fullstack** development and deployment
Unit Testing, Integration Testing
Team development process included a SCRUM sprint board, Gitlab for source control, Pipelines for continuous deployments and programming reviews from senior developers

Software Development Intern @ Novelty

Jul 7, 2021 – June 20, 2022

La Jolla, CA

Develop a Web Application
MERN stack connecting hundreds of active users
Collaboration with Design and Product teams
Team development process included a Kanban board on Trello, Github and Prettier for source and style control, and programming reviews from senior developers

PROJECTS

Tarian Onboarding CLI

June 20, 2022 – Expected: Sept 9, 2022

Seattle, WA

Intern Project
Fullstack Application: Allows customers to create operational configuration changes to their personal service deployments
Use Internal Amazon Systems such as G2S2, DynamoDB and AWS Lambdas.
CLI interacts with users and provides a simple UX to empower users to use Tarian as easily as possible.
Backend service that handles CRUD functions on a user's live service deployment.

BiasML

Feb 19, 2020 – Feb 21, 2021

Irvine, CA

First Place Winner in the Civic Engagement Track
SDHacks 2021 – MLH Hackathon
Machine Learning Web Application: full stack design and Google Cloud implementation
Uses an article URL and parses for political bias.
Tech Stack: Node.js, React, Firebase, Google Cloud

RateMyLease

Jan 16, 2021 – Jan 17, 2021

Irvine, CA

HackDavis 2021 – MLH Hackathon
Full Stack Web Application
MERN Mongo, Express, React, NodeJS
lease posting and rating website to help UC Davis Students find reliable housing
REST API handles get and post requests for multiple MongoDB databases