Elliot Alexander Lee

eal001@ucsd.edu | linkedin.com/in/eal001 | github.com/eal001 | eal001.github.io/personal_website

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

Education

UC San Diego **Attending:** Sept 2019 - June 2023   San Diego, CA
Major: Computer Science (B.S.) **GPA:** 3.8

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

Mathematics: Calculus I-III, Differential Equations, Linear Algebra, Mathematical Reasoning, Enumerative Combinatorics, Probability, Numerical Analysis, Approximations of Nonlinear Systems

Awards: Provost Honors

Aliso Niguel High School   **GPA:** 4.4   Sept 2014 - June 2019   Irvine, CA

Projects & Experience

BiasML   SDHacks 2021 – MLH Hackathon   Feb 19, 2020 – Feb 21, 2021   Irvine, CA
First Place Winner in the Civic Engagement Track
Machine Learning Web Application: This application used a full stack design and Google Cloud to create a website that can take a web URL and parse for political bias. (NodeJS, React, Firebase, Google AutoML)

RateMyLease   HackDavis 2021 – MLH Hackathon   Jan 16, 2021 – Jan 17, 2021   Irvine, CA

Full Stack Web Application: This application used a **MERN** (Mongo, Express, React, NodeJS) design to create a lease posting and rating website to help UC Davis Students find reliable housing. The backend application (Express) gets, edits and saves data from the MongoDB collections, and sends it to be displayed on the frontend (React) application.

Workout App   Personal Project   Dec 18, 2020 – Present   Irvine, CA

iOS Application: Using SwiftUI and CocoaPods, this application is a customizable way to log workout routines. The App is a multiple view application, handling communication and lifecycle through custom and overridden methods in each Swift view. It handles storage and retrieval of information using User Defaults and CocoaPods.

Coding Club   Aliso Niguel Student Club   Aug 28, 2018 – Jun 6, 2019   Irvine, CA

Vice President: As a student, I planned and presented short coding lessons (in Java and Python) to beginner programmers. I outlined the basic syntax and logic characteristic of object-oriented programming. This helped me develop my ability to curate and present clear and concise information.

Skills

Languages: JavaScript, Swift, Java, C++, Matlab, Python, C, ARM, HTML, CSS

Environments: XCode, Visual Studio Code Eclipse, JetBrains Applications, Node.JS, React / React Native,

Other: Git, UNIX, Object Oriented Design, Algorithm Design, Dynamic Programming, Black Box/White Box Testing, MERN, Frontend/Backend Web Development, Google Cloud AutoML, Google Tensor Flow, Windows OS, MacOS