

# EVAN LEONG

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## EDUCATION

**University of California, Irvine | Irvine, CA**

June 2024

Computer Science, B.S. - Specialization in Information | GPA: 3.84

**Diablo Valley College | Pleasant Hill, CA**

May 2022

Computer Science, A.S. | GPA: 3.95

## TECHNICAL SKILLS

**Programming Languages:** C++, C#, C, Python, Java, JavaScript, TypeScript, HTML & CSS, SQL, R

**Libraries & Frameworks:** React, Next.js, Node.js, React Native, .NET, OpenAI, Heroku, Vercel

**Tools & Platforms:** Visual Studio (Code), Linux (Ubuntu), Eclipse, Unity, Git, Microsoft SQL Server, MongoDB, Neo4j, Postgres

**Concepts:** Data Structures, Algorithms, Database Management, Statistics, Object Oriented Design, System Design, UI/UX

## PERSONAL SKILLS

Teamwork, Problem Solving, Communication, Attention to Detail, Perseverance, Adaptability

## WORK EXPERIENCE

**Associate Systems Developer – First American**

October 2023 – Present

Santa Ana, CA

- Worked as a full stack engineer, contributing to an archive system with an intuitive JavaScript frontend using the jQuery and Kendo UI libraries connecting to a C# and MS SQL Server backend
- Streamlined the reporting system by consolidating scattered email information, making it easily accessible from a central location

**Software Engineering Intern – First American**

June 2023 – August 2023

Santa Ana, CA

- Worked as a backend engineer to help create a custom-built data analytics tool using the .NET framework C#, and Microsoft SQL Server Management Studio
- Generated reports for international teams using SQL through Hue and Apache Impala

**Software Engineering Intern – 21<sup>st</sup> Century Sounds**

May 2022 – August 2022

Pleasant Hill, CA

- Worked on frontend development for a website using Node.js/ JavaScript and created MongoDB database to store client info

**Coding Educator and Program Development – BrickSpace**

January 2021 2023 – August 2022

Santa Ana, CA

- Enhanced communication skills while developing curriculum in collaboration with credentialed teachers to introduce computer science (Python) and problem-solving concepts to hundreds of students of all ages

## PERSONAL EXPERIENCE & PROJECTS

- **ACraffle – Automated Chat Bot** | Python, MongoDB, Discord.py API, Heroku Cloud Hosting
  - Python coded [Discord Bot](#) that uses a MongoDB backend to store user data, used in 1,500 servers worldwide
- **Lard Chat – Live Chat Application** | Node.js, React, HTML & Tailwind CSS, Firebase, Vercel
  - Full stack [web application](#) with user authentication and datastore handled with Firebase
- **ProsperSearch – Search Engine** | Python, Flask, OpenAI API
  - [Custom search engine](#) with AI capabilities (OpenAI API), ranking relevant links with tf-idf scoring, and achieving under 150 ms query response time, also created frontend web GUI using Flask
- **Customer Manager** | Java, Java Swing, Object Oriented Design
  - Frontend GUI created with Java Swing package (JFrame) and object oriented designed backend
- **Custom Shell** | C, Operating Systems
  - Built custom shell from scratch using C, implementing commands (cd, jobs, kill), also handling local executables in the foreground and background
- **Graph Coloring Program** | C++
  - Uses graph coloring to represent register allocation using the Welsh-Powell algorithm while using an adjacency list to create the graph interface