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, CSS3, SQL, R, Swift, SQL
Libraries & Frameworks: React, React Native, Next.js, Node.js, Angular, .NET, PyTorch, TensorFlow
Tools & Platforms: Visual Studio (Code), Linux (Ubuntu), Eclipse, Git, SQL Server, MongoDB, Neo4j, PostgreSQL, Heroku, Vercel
Concepts: Data Structures, Algorithms, Database Management, Object Oriented Design, System Design, UI/UX, Requirements

PERSONAL SKILLS

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

EXPERIENCE

Associate Systems Developer   *October 2023 – Present*
First American   *Santa Ana, CA*
- Developed a user facing report archive system with **TypeScript** frontend utilizing **jQuery**, connected to a **C#** and **MS SQL Server** backend as a **full stack** engineer
- Focused on creating an adaptive, responsive, and highly accessible user interface using **Kendo UI**
- Created visual map report using **Google Maps Geocoding API** and **GeoServer** by joining SQL Server data to geospatial data

Student Machine Learning Intern   *January 2024 – June 2024*
Children's Hospital of Orange County   *Orange, CA*
- Contributed to AI medical research by predicting if blunt trauma patients require medical intervention
- Implemented various machine learning models such as kNN, Neural Network, and Random Forest using **PyTorch**

Software Engineering Intern   *June 2023 – August 2023*
First American   *Santa Ana, CA*
- Contributed to a custom data analytics tool using the **.NET** framework, **C#, LINQ**, and **MS SQL Server** as a **backend** engineer
- Generated reports for international teams using complex **SQL** queries through **Hue** and **Apache Impala**

PROJECTS

- **ACraffle – Automated Chat Bot** | *Python, MongoDB, Discord.py API, Heroku Cloud Hosting*
  - Created **Python** coded Discord Bot (discord.py) that uses a **MongoDB** (PyMongo) backend to store user data, used in *1,500* servers worldwide
  - Increased usability by implementing **user feedback**, **bug fixes**, **accessibility**, and **improved response time**
- **Lard Chat – Live Chat Application** | *Node.js, React, HTML & Tailwind CSS, Firebase, Vercel*
  - Developed a full stack web application with **user authentication** and **datastore** handled with **Firebase**
- **ProsperSearch – Search Engine** | *Python, Flask, OpenAI API*
  - Created a custom Python search engine with AI capabilities (**OpenAI API**) and web GUI using **Flask**
  - Implemented tf-idf scoring, fast query time (under 150 ms), search engine optimization, and AI summary generation
- **Dizzy Diary – Mobile Application |** *React Native, TypeScript, Firebase*
  - Developed a full stack **IOS app** that allows users to leave reviews on theme park rides based on user motion sickness
  - Created using **React Native** and **TypeScript** with a **Firebase** backend to handle the database and user authentication
  - Implemented Firebase caching to save money by limiting average document reads per user