Douglas Yu

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EDUCATION

California State University, Fullerton   Fullerton, CA
B.S. Computer Science   *May 2025*

EXPERIENCE

OrbitalLabs @CSUF   Oct 2023 – Aug 2024
California State University, Fullerton

- Issue remote commands to OAC so that user can operate a vehicle when needed using python so user can manually operate the vehicle when needed

CIC-PCUBED-Cal State Fullerton   June 2023 – July 2023
California State University, Fullerton

- Extracted and analyzed stock data using C++, contributing to actionable financial insights and client-facing presentations
- Collaborated with teams to communicate findings, enhancing technical and non-technical audience engagement skills

PROJECTS

Tuffy Reminder | *swift, UIKit*   Dec 2024

- Developed IOS todo list app, enabling users to create, manage, and check off tasks effortlessly
- Applied UIKit components and principles to deliver a smooth, responsive, and visually appealing iOS application
- Implemented an intuitive and user-friendly interface, enhancing task management efficiency for everyday use.

Project Nyaan | *Unity, C#*   Oct 2024

- Designed and developed Project Nyaan, a 2D Unity game where players control a cat to collect falling food, dodge bombs, and survive until the boss encounter
- Utilized Unity's physics engine and C# scripting to create smooth animations, responsive controls, and dynamic interactions between the player and game objects

WeatheWise | *React, Node.JS, MongoDB*   Oct 2024

- Built a scalable backend server with Node.js and Express, integrating MongoDB for user data and search history storage
- Developed a responsive web application providing real-time weather updates, a 5-day forecast, and location-based services using the OpenWeatherMap API and React
- Delivered an interactive user experience through modern web design principles, enabling users to access weather insights and manage search history seamlessly

SymptoQuest | *Svelte, JavaScript, HTML/CSS*   Feb 2024 – Aug 2024

- Designed and deployed an online web application to deliver accurate medical diagnoses based on user input symptoms by leveraging the OpenAI API for natural language processing and symptom analysis
- Integrated Google Maps API to help users to find nearby hospitals based on their location, enhancing the app's usability and relevance for users in need of medical assistance
- Implemented Firebase for authentication and real-time chat storage, ensuring the ability to save and revisit medical consultations, with a responsive front-end built using Svelte

TECHNICAL SKILLS

Languages: C++, C#, Python, HTML/CSS, PHP, JavaScript, Svelte, SQL, Swift, SQL
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI, MySQL
Developer Tools: Git, Postman, VS Code, Visual Studio, mongoDB, xCode
Libraries: pandas, NumPy

ACCOMPLISHMENTS

Eagle Scout rank