Andrew (Kimhour) Chou

Greater Seattle Area | andrewchou949@gmail.com | (425) 397-1520 | GitHub | LinkedIn | Portfolio

SUMMARY

Aspiring Software Engineer with a strong foundation in Computer Science and hands-on experience in developing innovative applications. Recognized for problem-solving skills and a collaborative in team projects.

EDUCATION

BS in Computer Science and Software Engineering with Minor in Economics (GPA: 3.74)

University of Washington, Bothell   Cumulative GPA: 3.74

- <u>Organisations/Awards</u>: Dean's List for six quarters since Spring Quarter of 2022
- <u>Core Coursework</u>: Data Structure & Algorithms with C++, Operating System, Hardware Computer Organisation, Software Engineering
- <u>Relevant Coursework</u>: Database Systems, Artificial Intelligence (AI), Principle of Human-Computer Interaction (HCI)

TECHNICAL SKILLS

Languages	Python · C++ · Java · TypeScript · SQL · HTML · CSS
Technologies	Flask · React · AWS (Route 53) · RESTful API · Django · Machine Learning · GitHub Actions · Firebase · Git Version Control (GitHub) · Linux · Google Cloud CLI · Tailwind CSS · Flutter · Docker · Openai-Whisper · ChatGPT3.5-Turbo · React Spring Parallax
Soft Skills	Problem Solving · Communication · Teamwork · Adaptability · Time/Project Management · Attention to Details · Leadership

PROJECTS

Personal Finance Management Application with Fraud Detection (GitHub)   May 2024 - Present

- Developing an application to help user track expenses and detect fraudulent transactions using machine learning.
- Implementing user authentication, expense tracking, data visualization, and fraud detection alerts.
- Utilizes framework such as Django for backend, React for frontend, and machine learning models for fraud detection.

Skills: Python, Django, Machine Learning, Data Visualization, RESTful API

Discord Bot - Andrew's Bot (GitHub)   April 2024

- Led the development of a Discord bot to enhance server functionalities, overseeing all phases of the project lifecycle.
- Designed and implemented slash commands with **JavaScript** and **discord.js** library, providing users with added interaction capabilities.
- Integrated the bot with fan-made Genshin Impact API to fetch/retrieve in-game information, enhancing user engagement.
- Created comprehensive documentation and support guides for users and potential contributors, fostering community involvement.

Skills: JavaScript, discord.js, RESTful API, Project Management

Voice Recognition / Summary Web Application (GitHub)   February 2024

- Engineered a streamlined web application to process user-provided audio files, executing both transcription and summarization task.
- Developed and styled user interface with **Create-React-App (CRA)** and **Tailwind CSS**, achieving a sophisticated frontend interface, all hosted on **Firebase** for a robust online presence.
- Integrate the **OpenAI Whisper** model and **ChatGPT3.5-Turbo** to support the backend functionalities, allowing audio processing and text generation capabilities.
- Crafted and deployed endpoints using **Flask**, with hosting provided by **Docker** and **Google Cloud Services** for dependable scalabilities and service continuity.

Skills: Openai-Whisper, ChatGPT3.5-Turbo, Google Cloud (CLI), Docker, Flask, Firebase, React, Tailwind CSS

Polyglot Go (GitHub)   August 2023

- Led a two-person team, fostering effective and collaboration to create a functional application that help users to learn new languages with flashcards, translation, and word-matching features.
- Utilised **flutter** framework's **dart** code to create frontend UI, widgets, and core backend functionalities.
- Set up a database storage for the application through **Google Firebase**

Skills: Dart, Firebase, Git Version Control (GitHub), SQL

PROFESSIONAL EXPERIENCE

Maths Tutor | *Shoreline, WA*   **Shoreline Community College**   August 2017 - December 2018

- Assisted approximately 30 students with precalculus and calculus courses.
- Facilitated measurable improvements in test scores and contributed to the elevation of overall GPA for students in math courses.

VOLUNTEERING AND COMMUNITY EVENTS

Student Volunteer | *Bothell, WA*   **2023 IEEE Information Reuse, and Integration for Data science**   August 2023

- Resolved technical issues with podiums and projectors during sessions, ensuring smooth presentations.
- Provided clear instructions to presenters and attendees to facilitate the event flow.
- Collaborated with conference organizers to complete assigned tasks efficiently, contributing to the event's success.