

# Andrew (Kimhour) Chou

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## 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

- Organisations/Awards: Dean's List for six quarters since Spring Quarter of 2022
- Core Coursework: Data Structure & Algorithms with C++, Operating System, Hardware Computer Organisation, Software Engineering
- Relevant Coursework: 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 · 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

### Discord Bot - Andrew's Bot ([GitHub](#))

May 2024 – Present

- 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**

### Personal Self Intro Webpage ([GitHub](#))

January 2024

- Developed a self-introduction landing page for a polished and professional online presence.
- Initial attempt trying to immerse myself in **React UI design** library, **TypeScript** programming language while showcasing my skill in UI design, web, and frontend development.
- Utilized technologies such as **Firebase**, **AWS Route 53** to integrate project's TSX and CSS files, ensuring readiness prior to public release.
- Implemented GitHub Actions for automated testing and deployment, maintaining code quality and facilitating smooth updates.

**Skills: React, React Spring Parallax, TypeScript, AWS Route 53, Firebase, Git Version Control (GitHub), Responsive Design**

### 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

Aug/04/2023-Aug/06/2023

- 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.