

Kimhour Chou

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EDUCATION

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

Graduated: August 2023

University of Washington, Bothell

Bothell, WA

- **Organisations/Awards:** Dean's List for six quarters since Spring Quarter of 2022
- **Relevant Coursework:** Software Engineering; Data Structures, Algorithms and Discrete Maths; Hardware and Computer Organisation; Operating Systems; Database Systems; Principle of Human-Computer Interaction (HCI)

SKILL AND INTERESTS

Skills: C++, Python, Java, SQL, Dart, TypeScript, HTML, CSS, Technical Writing

Frameworks and Other Tools: React, AWS Route 53, Flutter, Firebase, Git Version Control (Github), Linux, Tailwind CSS, Google Cloud CLI

PROJECTS

Voice Recognition / Summary Web Application

February 2024

- Engineered a streamlined web application designed 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 **Google Cloud Services** for dependable scalabilities and service continuity.

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

Personal Self Intro Webpage

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 seamlessly integrate the project's TSX and CSS files, ensuring its readiness prior to public release.

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

Polyglot Go (Capstone Project: CSS 497)

August 2023

- Created 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 basic frontend UI, small widgets (being deployed within certain page) and core backend functionalities.
- Set up a database storage for the application through **Google Firebase**

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

Banking System Database (In Class Project: CSS 475)

October 2022

- Built a functional banking database through **SQLite**, that is capable of keeping track of customers' information, accounts, transactions, by performing basic insertion, deletion, update queries.
- Created a detailed Software Requirement Specification (SRS) documentation for the project.

Skills: SQL, Technical Writing (For Documentation)

VOLUNTEERING AND COMMUNITY EVENTS

University of Washington, Bothell

Bothell, WA

2023 IEEE Information Reuse and Integration (IRI) for Data science Conference

August 4th, 2023 - August 6th, 2023

- Served as a student volunteer (SV) to complete tasks being assigned by conference organisers.
- Assisted with arising technical difficulties on podium and projectors during the session.

WORK EXPERIENCE

Maths Tutor

August 2017 - December 2018

Shoreline Community College

Shoreline, WA

- 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 aforementioned math courses.

LEADERSHIP EXPERIENCE

Shoreline Community College

Shoreline, WA

Cambodian Culture Club Officer

March 2018 - October 2019

- Served as a founding member to establish the club and to recruit more students on campus.
- Participated and organised multiple events to promote Cambodian cultures and language.