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 CS

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.