Chun-Wen Hsueh

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Summary

I have practical experience as a Software Engineer, contributing to the development of a startup app, Dila, which serves 5,500 active users. My work involved optimizing Firebase data retrieval, resolving performance bottlenecks, and implementing user feedback systems, resulting in a 20% reduction in server costs and improved app functionality.

Education

Northeastern University (NEU) Seattle, WA
Align Master of Science in Computer Science *Sep. 2024 – Present*

National Taiwan University (NTU) Taipei, Taiwan
Bachelor of Science in Math, Bachelor of Arts Economics (Double Major) *Sep. 2018 – June 2023*

- Last 60 GPA: 3.62/4.3
- Courses Related to Computer Science: Calculus, Linear Algebra, Computer Programming, Algorithm

Experience

Dila: Connect Through Music Taipei, Taiwan
Software Engineer *May 2024 – July 2024*

- Improved Firebase data retrieval processes, resulting in a 20% reduction in server costs
- Resolved lagging issues associated with fetching old messages, improving user experience
- Designed and implemented a user-friendly feedback section, enabling users to provide quick and effortless feedback to improve app functionality

Projects

Personal Website | *React, Typescript, Tailwind CSS* *Oct. 2024*

- Developed a personal website using React for dynamic front-end functionality
- Leveraged a combination of React, Vite and Tailwind CSS to build a visually appealing and technically proficient personal website

Gesture Recognition System | *Python, CNN* *Nov. 2020*

- Developed a rock-paper-scissors game that leverages a webcam to interact with the user and the computer
- Utilized Convolutional Neural Networks (CNNs) to train a model for accurate hand gesture recognition, achieving 70% accuracy in real-time

Car Speed Tracking System | *Python, OpenCV* *Nov. 2018*

- Developed a video analysis application using OpenCV to measure and track the speed of moving cars
- Implemented computer vision techniques to extract and process video frames, enhancing the precision of speed estimation

Leadership

Minister of Darkroom Section of NTU Photography Club Taipei, Taiwan
National Taiwan University *Aug. 2021 – Jan. 2022*

- Delivered and prepared presentation materials for club lessons
- Maintained and prepared darkroom equipment used by 150+ club members
- Trained committee members how to operate equipment and interact positively with club members

Technical Skills

Languages: Python, C/C++, Swift, Typescript, Tailwind CSS
Frameworks: SwiftUI
Developer Tools: Git, Google Firebase, VS Code, Xcode, React