

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)

Align Master of Science in Computer Science

Seattle, WA

Sep. 2024 – Present

National Taiwan University (NTU)

Bachelor of Science in Math, Bachelor of Arts Economics (Double Major)

Taipei, Taiwan

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

Software Engineer

Taipei, Taiwan

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

Gesture Recognition System

National Taiwan University

Taipei, Taiwan

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

National Taiwan University

Taipei, Taiwan

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

National Taiwan University

Taipei, Taiwan

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

Frameworks: SwiftUI

Developer Tools: Git, Google Firebase, VS Code, Xcode