Chia-Hsuan Megan Lin

SKILLS

- Proficient in Swift, SwiftUI, iOS application development, REST API
- Experienced in Python, JavaScript, TypeScript, SQL, PHP, C++
- Familiar with Git, Django, Node.js, Vue.js, Laravel, Docker, Linux, Shell Script

EDUCATION

Duke University   Aug. 2023 – May 2025 (expected)
Master of Science in Computer Science   GPA: 3.77/4.0   Durham, NC, USA

National Yang Ming Chiao Tung University   Sep. 2019 – June 2023
Bachelor of Science in Computer Science   GPA: 3.9/4.0   Hsinchu, Taiwan R.O.C.

WORK EXPERIENCE

25sprout   July 2022 – Jan. 2023
Backend Developer Intern   Taipei, Taiwan R.O.C.

- Implemented PHP and Laravel for SurveyCake API feature tests, increasing test coverage by 30%
- Integrated third-party APIs and mastered CI/CD concepts to enhance software functionality and streamline deployment processes.
- Demonstrated expertise in Git Flow and Scrum development processes

PROJECT

FocusTrip (iOS App) | Swift, SwiftUI, SpriteKit (Ongoing)

- Developed FocusTrip productivity app combining focus timer with interactive trip experience
- Implemented customizable focus sessions for task-specific focus times
- Designed dynamic map with landmarks revealed based on user focus

People Management System (iOS App) | Swift, SwiftUI

- Implemented download/upload functionality for seamless data management
- Designed intuitive Person List View with categorized sections and dynamic search bar for easy navigation and organization of individuals
- Introduced Group View feature for efficient management of groups, enabling creation, modification, and deletion as required

Ride Sharing Web App | Python, Django, HTML/CSS

- Developed a Django-based web application for a ride-sharing service, accommodating three user roles: Ride Owner, Ride Driver, and Ride Sharer
- Implemented functionalities such as ride requesting, modification, and status viewing for owners; driver registration and ride management for drivers; and ride searching and joining for sharers
- Enabled account creation, login/logout, driver registration, ride selection, and comprehensive ride-related actions for users, enhancing overall user experience and interaction with the platform

RESEARCH EXPERIENCE

High-fidelity Interactive Honeypot Implementation and Attack Simulation and Analysis

- Enhanced SSH and RDP honeypot responses, automated attack log collection
- Conducted in-depth analysis of attack logs, identifying various types of attackers and their motives, showcasing expertise in network security