Woojang Pyeon
Software Engineer

Quarry Bay, Hong Kong • woojangpyeon@gmail.com • github.com/wpyeon • +852 57268842

PROFESSIONAL EXPERIENCE

OURSKY LTD.   **Cheung Sha Wan, Hong Kong**
Software Engineering Intern   **June 2023 - Aug 2023**

- Developed a cross-platform mobile application "AI Scan - FormX" using React Native. Utilised the company's mobile OCR SDK and document detection service to extract data from physical documents. Launched version 1.0.0 from scratch in two months.
- Improved live object detection latency using ML Kit on the OCR platform's Android SDK. Created a native module that bridges the Android and iOS native SDK to Javascript code.
- Imposed user authentication and rate-limiting on API endpoints with reverse proxy server
- Worked efficiently under the guidance of the tech lead and collaborated with team members such as project managers and UI designers

GLOBAL E-SOLUTIONS LTD.   **Kwun Tong, Hong Kong**
Programmer   **Aug 2022 - May 2023**

- Developed new functionalities of a desktop application as requested by stakeholders
- Progressively developed database audit trail system. Developed PDF report generation function for the data modification records
- Analysed and refactored inefficient SQL queries, optimising the number of transactions and improving response time
- Implemented web UI dashboards using JSF and Spring framework
- Managed software documentation by creating and editing the detailed technical specifications, following software engineering best practices

REPUBLIC OF KOREA AIR FORCE   **Daegu, Republic of Korea**
Information Systems Technician   **Aug 2019 - May 2021**

EDUCATION

CITY UNIVERSITY OF HONG KONG   **Kowloon Tong, Hong Kong**
Bachelor of Science, Major in Computer Science   **2018 - 2024**

- Awarded Dean's List - Semester A, A.Y. 21/22
- Awarded Dean's List - Semester A, A.Y. 18/19

Team project in on-device OCR iOS application   **2024**

- Developed an iOS application for optical MICR (Magnetic Ink Character Recognition) using Swift. Developed on-device pre-processing, segmentation, and manipulation functions of character images using Swift Core Image and Core Graphics framework to reduce third-party dependency and app size
- Implemented on-device OCR with custom-trained TensorFlow Lite model

CERTIFICATES

HUMAN RESOURCES DEVELOPMENT SERVICES KOREA
Craftsman - Information Processing   **2019**

SKILLS

- Project Management: GitHub, Redmine, Slack
- Technical: Mobile App Development, Web Development, Python, DBMS, Git, Machine Learning
- Languages: English (Fluent), Korean (Native)