

Seoyoung (Stella) Jo

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PROFESSIONAL SUMMARY

Results-driven software engineer with experience in cloud apps, distributed systems, and AI/ML projects. Master's in IT (Professional) student at Deakin University, skilled in agile teamwork and scalable solutions.

EDUCATION

Deakin University | Melbourne, Australia

Expected June 2026

Master of Information Technology (Professional)

- Awarded **Deakin International Scholarship**

Ewha Womans University | Seoul, South Korea

February 2023

Bachelor of Science in Computer Science and Engineering (Double Major in Bioinformatics)

- Honors: **Summa Cum Laude** | GPA: 4.10/4.3

EXPERIENCE

Intelligent Networked Systems Lab – Ewha Womans University, Seoul

Undergraduate Research Intern

December 2021 – November 2022

- **Led** research on LSTM-based personalized route model on 120+ user GPS datasets
- Built preprocessing pipeline with reverse-geocoding and stay point extraction
- Boosted future location prediction accuracy by ~18% through novel spatial evaluation metrics

PROJECTS

CalmCheck – AI-Powered Symptom Tracker & Health Info App

Python, Android (Java), SQLite, LLaMA API

May 2025

- Built a mobile app featuring a conversational AI for personalized symptom tracking and mental health guidance
- Designed and integrated backend services with Flask and SQLite to store user-specific conversation history and enable context-aware AI responses
- Enhanced AI personalization by tailoring responses based on user inputs, chat history, and extracted symptom keywords

BabySwap – Community Babysitting Exchange Platform

Node.js, Express, MongoDB, Docker, Jest, Playwright, GitHub

January 2025

- Built a full-stack babysitting exchange app with a points-based system using Node.js, MongoDB, and Docker
- Led the testing strategy by implementing unit tests with Jest and end-to-end tests with Playwright, ensuring robust application performance.
- Contributed to successful Agile team delivery by managing containerized environments

Protein Sequence Classification Engine

Python, TensorFlow, UniProt

December 2022

- Implemented RNN, LSTM, and Transformer models for biological sequence data
- Leveraged UniProt embeddings to enhance training accuracy
- Compared performance of models and visualized results with custom plots

TECHNICAL SKILLS

Languages: Python, Java, C++/C, SQL, JavaScript

Frameworks/Libraries: React, Node.js, TensorFlow, PyTorch, OpenCV

Tools: Docker, Kubernetes, Git, AWS

Methodologies: Agile, Test-Driven Development, CI/CD