



Jiyi Zhu

Master of Science

in Computer and Mathematical Sciences

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Summary

Innovative and grounded Computer Scientist with both professional knowledge and a variety of practical experiences.
Kind, Curious and Self-motivated.

Education

Degree	Institute	CGPA/Percentage	Year
M. Graduate School of Information Science	Tohoku University	3.1 / 4.0 (till 2th Sems)	2023.04-2025.02
Entrepreneurship Program	University of California, Davis	4.0 / 4.0	2024.02-2024.03
B. Computer Science and Information Systems	Warsaw University of Technology	4.13 / 5.0 (Paper included)	2018.10-2021.02
B. Digital Media Technology	North University of China	3.27 / 4.0 (Till 4th Sem)	2016.09-2021.07

Experience

- SenseTime March 2021 - May 2022
Front-end Interactive Engineer Shanghai, China
 - Web game production. Learned and mastered web rendering approaches and libraries such as GSAP, PIXI.js. Acquired and had good use of mainstream web game engines such as Egret, Layabox in short time and designed the game structure.
 - Web-based platforms SenseTime Education Kit development. Took in charge of AI tool kit part from a massive web application. Handled with API and iFrame fit.
- Huawei May 2020 - Feb 2021
Front-end Engineer Warsaw, Poland
 - Optimization and development of Huawei's internal Northeast Europe digital service platform module. I actively communicated with my colleagues who were in charge of back-end to debug, and it took 5 days to go online. A total of 87 projects and 5 project leaders used the Kanban board.
 - Huawei GDE tool platform, aimed at developing Python gadgets for internal use in Huawei. Involves UI frameworks such as tk and Python applications with deep interaction with Excel.

Projects

- RAG Model and Vector Embedding for Job Recommendations Oct 2023 - Jan 2024
Tohoku University
 - Technologies Used: ChatGPT, Cohere, Llama Model. Job Recommendations Tool: Utilized RAG model and vector embedding techniques to improve job match accuracy and relevance.
- KoToToMo Plus: A blended learning app for Chinese language at Tohoku University Nov 2023 - Feb 2024
Tohoku University
 - Personalized Learning Paths: Implemented in Swift to improve user engagement by focusing on personal growth and feedback.
 - Streak Recovery Feature: Developed in Swift to increase daily active users by mitigating demotivation from losing streaks.
- The project of an integrated application for face identification by an artificial neural network Oct 2020 - Jan 2021
Warsaw University of Technology
 - The goal is to compare the efficiency and differences of training ANN in three programming languages, and evaluate our model performance on a small data set

Technical Skills

- Programming Languages: Swift, JavaScript/Node.js, Python, GoLang, Java, C#, R, Matlab, PHP
- Operating Systems: MacOS & iOS, Windows, Linux & Android

Licenses and Certifications

- Japanese Language Proficiency Test - N1
- Toefl - 81
- Fundamental Information Technology Engineer (in Japan)
- Class 1 Driver's License (Standard Vehicle)

Miscellaneous

- Registered Musician in NetEase music platform, Music Production, Genres: EDM, Future Pop, Trance, etc. 2018