

Muil Yang

(214) 940-0848 | muilyang12@gmail.com

LinkedIn: [muil-yang](#) | Website: muilyang12.github.io | GitHub: [muilyang12](#)

EDUCATION

The University of Texas at Dallas

Master of Science in Computer Science

Korea National Open University

Bachelor of Science in Computer Science

Yonsei University

Bachelor of Science in Engineering

Richardson, TX

Aug. 2024 – Present

Seoul, Republic of Korea

Mar. 2021 – Aug. 2023

Seoul, Republic of Korea

Mar. 2013 – Feb. 2021

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, C/C++, Java, HTML/CSS

Frontend: React.js, Next.js, Node.js, Webpack, Babel, Three.js, WebGPU, WebXR, WebSocket

Backend: Node.js, Django, Flask, DB (SQLite, MySQL, MongoDB, Redis), WebSocket

Deployment: Docker, Amazon Web Services (EC2, S3, CloudFront, Lambda, etc.), Microsoft Azure

Tools: Git, GitHub, GitHub Actions, MS Office

CERTIFICATIONS

AWS Certified Machine Learning - Specialty

Aug. 2024

AWS Certified Security - Specialty

Jul. 2024

AWS Certified Developer - Associate

Feb. 2024

EXPERIENCE

Software Engineer

Midas IT (MIDASoft Inc.)

Jan. 2021 – May 2024

Seongnam, Republic of Korea

- Developed *Midas Workspace*, a collaboration tool designed for architectural and civil engineers, featuring a 3D model viewer and file drive.
- Elevated the visual representation of the 3D model viewer by integrating terrain data from ArcGIS with satellite imagery, enabling accurate visualizations of buildings and their immediate surroundings.
- Enhanced functionality by implementing real-time features like screen sharing and user presence tracking using WebSocket.
- Developed common design systems and Node.js CLI tools for frontend teams, enhancing development efficiency.
- Optimized the UI development of the company's Windows desktop application by integrating Microsoft Edge WebView2, allowing seamless use of the web UI from our web services.

Research Assistant

The University of Texas at Arlington

Sep. 2019 – May 2020

Arlington, TX

- Designed and developed a flood monitoring system comprised of an embedded system and web service to monitor flood-prone areas.
- Engineered and deployed a Node.js HTTP server for collection and developed a website to visualize the data through graphs.

PROJECTS

AI Veggie Cat (Hackathon Project)

Jul. 2024

- Developed an AI-based automatic food ingredient ordering service using Clova Studio, a Korean-language specialized LLM service similar to the OpenAI API, with Next.js, Flask, and Naver Cloud.

Nutrition Specs (Personal Project)

Jun. 2024 – Jul. 2024

- Developed a web service for comparing nutritional information across multiple products within the same category using Next.js, Django, and Amazon Web Services (AWS). [Link to NutritionSpecs](#)
- Implemented a crawler application using Selenium, Tkinter, and the OpenAI API to collect nutritional data.

3D Model AR Viewer (Class Project)

Dec. 2022

- Developed an AR application utilizing WebXR and a Node.js server to view GLTF files integrated with the surrounding environment.