


Dongho Lee

Software Engineer

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 dongho919.github.io

Skills

General Domains

- Android Dev
- Web Dev
- Augmented Reality
- Machine Learning
- Object-Oriented
- Data-Oriented

Programming Languages

- C/C++
- C#
- Python
- Java
- Node.js

IDEs/Engines/Platforms

- Visual Studio
- Jupyter Notebook
- Unreal
- Unity
- Google Cloud Platform
- Firebase

Source Control/Issue Tracking

- Jira
- Azure DevOps
- Git
- SVN

Languages

- English
- Korean
- Japanese

Professional Experience

Backend Software Developer

06/2023 – 08/2023

Twin Leaf Entertainment

- Developed "CabinetWeb", a web app for tracking physical documents in cloud environment.
- Maximized productivity with the help of Atlassian Jira and Confluence.
- Implemented RESTful API in Node.js for frontend-to-backend communication.
- Incorporated Google Cloud Platform with Firebase into the product.

Academic Projects

Pipmo AR – 4-Person Team

01/2024 – 04/2024

UI/Interaction Programmer

- Explored Unity AR Foundation's capabilities on Android including image tracking, plane tracking, and occlusion.
- Developed real-time image tracking with velocity detection.
- Streamlined version control with SVN and an active use of conflict editor.

The Drawer War – 2-Person Team

08/2023 – 12/2023

Physics Engine Programmer

- Gained comprehensive understanding of Unity ECS Framework/data-oriented programming in C#.
- Tested separating axis theorem with edge collision and Baumgarte stabilization.

InfeStation – 9-Person Team

08/2022 – 04/2023

Tech Lead

- Fostered a productive game development environment using Unreal/C++.
- Facilitated interdisciplinary communication between design, audio, and tech.
- Streamlined workflow using Microsoft Azure DevOps with Git.

Detecting Alzheimer's Disease – 3-person team

08/2021 – 04/2022

Machine Learning Engineer

- Built convolutional neural network (CNN) using Python with Tensorflow in Jupyter Notebook.
- Achieved 97.2% sensitivity using an ensemble of VGG19, CNN, and ResNet50.

Education

DigiPen Institute of Technology (Redmond)

Graduated 04/2024

Bachelor of Science in Computer Science

GPA: 3.91