Hyunjin Cho
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Interests

Machine Learning on Medical Data, Precision Medicine, Computational Epidemiology

Qualifications

- **Proficient:** C#, Dart, Java, Python LaTeX
- **Familiar:** C++, Javascript, MATLAB
- **Frameworks & Libraries:** Flutter, OpenCV, PyTorch
- **Operating Systems:** Linux, Mac OS X, Windows

Current

University of Iowa   Aug. 2022 – Current
M.C.S. Computer Science Student   Iowa City, IA
GPA:3.9 (as of Fall 2023)

Otolaryngology-Head & Neck Surgery   Sep. 2022 – Current
Gen Sci Lab Research Assistant   Iowa City, IA

Current Projects

Deep learning-based identification of dysphagia in early Parkinson disease using High Resolution Manometry.
Working under Prof. Matt Hoffman at the University of Iowa Health Care, Department of Otolaryngology - Head & Neck Surgery.

NEAT(NeuroEvolution of Augmenting Topologies) Based Vaccine Allocation for Effective Epidemic Intervention.
Working under Prof. Bijaya Adhikari from the UIowa Computational Epidemiology lab.

Professional Experience (Prior to joining the University of Iowa)

CTO   Apr. 2021 – Apr. 2022
Diveflash   Jeju, South Korea
- Researching image processing algorithms to enhance underwater photographs. Published a mobile application on iOS App Store and Android Play Store named DiveFlash.
- OpenCV, C++, Flutter, Dart and Python

Java Software Developer Freelancer   Apr. 2020 – Dec. 2020
ICanManagement   Seoul, South Korea
- Developed and maintained Web, Mobile application of SK Magic Inc. Malaysia
- Java, Javascript, Oracle DB and Linux

Assistant Research Engineer   Dec. 2018 – Dec. 2019
EnDCS   Gyeonggi, South Korea
- Developed combat simulator for the Republic of Korea Navy's Aegis destroyers class battleship KDX-III Batch-II
- C#, WPF, C++, DDS, TCP, and UDP

Corporal   Nov. 2017 – Nov. 2018
Republic of Korea Army   Gyeonggi, South Korea
- Capital Corp's command center as Army RTO(Radio Telephone Operator)