

Hyunjin Cho

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+1 (626) 250-7196

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

M.C.S. Computer Science Student
GPA:3.9 (as of Fall 2023)

Aug. 2022 – Current
Iowa City, IA

Otolaryngology-Head & Neck Surgery

Gen Sci Lab Research Assistant

Sep. 2022 – Current
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 U Iowa Computational Epidemiology lab.

Professional Experience (Prior to joining the University of Iowa)

CTO

Diveflash

Apr. 2021 – Apr. 2022
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

ICanManagement

Apr. 2020 – Dec. 2020
Seoul, South Korea

- Developed and maintained Web, Mobile application of SK Magic Inc. Malaysia
- Java, Javascript, Oracle DB and Linux

Assistant Research Engineer

EnDCS

Dec. 2018 – Dec. 2019
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

Republic of Korea Army

Nov. 2017 – Nov. 2018
Gyeonggi, South Korea

- Capital Corp's command center as Army RTO(Radio Telephone Operator)

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Academic Professional Experience (Prior to joining the University of Iowa)

Undergraduate Researcher

May 2016 – Aug. 2017

University of Utah

Salt Lake City, UT

- Developed automated grading service for CS3505 - Software Practice - II(C++) for Prof. David E. Johnson

Teaching Assistant

Feb. 2016 – May 2017

University of Utah

Salt Lake City, UT

- CS1030 : Foundations of Computer Science
- CS1410 : Object-Oriented Programming
- CS2100 : Discrete Structures

Past Education

University of Utah

Aug. 2012 – Aug. 2017

BS Major in Computer Science (Data track)

Salt Lake City, UT

Minor in Mathematics

GPA:3.33