






Jae Ho Choi

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Software Developer

EDUCATION

BACHELOR OF SCIENCE
Computer Science
Emory University | Atlanta, GA
2016 – 2022

- Dean's List (Fall 2021)

RELEVANT COURSES

- Data Structure and Algorithms
- Analysis of Algorithms
- Artificial Intelligence
- Systems Programming
- Machine Learning
- Computational Linguistics
- Advanced Computer Architecture
- Data Mining
- Database Systems
- Computer Security
- Computer Science Practicum

PROGRAMMING SKILLS

- Java, Python, C
- PostgreSQL
- HTML, CSS, JS
- React, Redux, NodeJS
- Scikit-learn, Pytorch
- Windows/MacOS/Linux familiarity

LEADERSHIP & ENGAGEMENT

SENIOR ADVISOR
Korean American Scientists and Engineers Association(KSEA)
Aug 2016 – Current

- Organized STEM-related events around the campus to advise students interested in STEM fields

WORK EXPERIENCE

AI ENGINEER(COMPUTER VISION)
CN AI | Seoul, Korea | May 2021 – Aug 2021

- Initiated and developed a **metaverse AI virtual banker** prototype using deep learning-based text to speech, face generation, and lip-sync models
- Implemented **Mask-RCNN** based clothing type detection model and built Python-based **backend server** for a fabric recommendation application
- Enhanced a **skin cancer detection** model's accuracy from **70% to 89%** with new preprocessing techniques to the original image data
- Achieved 39.1 mean Average Precision for endoscopy gastric **cancer detection** utilizing and **finetuning** state-of-the-art real-time object detection model.

MILITARY INFORMATION AND STRATEGY ADMIN
Republic of Korea Army | Uljin, Korea | Aug 2017 – April 2019

- Streamlined military secret management, **reducing time spent by 30%** via different tools already used by soldiers such as Excel programs and Word macros

PROJECT EXPERIENCE

FRONTEND DEVELOPER
Save Your Apps(SYPP) | Remote | Aug 2020 – Current

Took charge of the frontend development to create a web application and a chrome extension that encompass features to alert, organize and inform job-related information to aid job seekers during the recruitment process.

FRONTEND DEVELOPER
VAZAAR | Atlanta, GA | Aug 2021 – Current | vazaar.app

Led the project and developed the frontend of the web application that mitigates difficulties within 2nd hand selling among college students by organizing item posts and ensuring safe transactions.

FRONTEND DEVELOPER
BlayBus | Remote | Feb 2021 – Oct 2021

Contributed to the frontend development of a platform that supports start-up/side-project communities in various stages by providing services to share ideas, formulate teams and track development.