

Sang Yoon Kwon

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Computer Science student at Case Western Reserve University graduating in May 2022 with experience building robust software. Seeking a full-time position as a software engineer or related field.

Education

- **Case Western Reserve University – B.S. Computer Science, Expected Graduation: May 2022**
 - 2015 – 2017, 2021 – Current (*Expected graduation: May 2022*) | Cleveland, OH
 - Absence from university 2018–2020 due to military service in Korean Air Force
 - Relevant Coursework: Software Engineering, Computer Networks, Operating Systems

Professional Experience

- **Case School of Engineering at Case Western Reserve University – Research Assistant**
 - May 2021 – Current | Cleveland OH
 - Department of Biomedical Engineering, Biomedical Imaging Laboratory.
 - Developed an image segmentation and analysis program using Python, Qt, and SQL Server for the OASIS (Ophthalmic Segmentation and Analysis Software) project.
- **Neurozen – Data Processor and Software Engineer**
 - April 2020 – January 2021 | Seoul, South Korea
 - Generated annotations for medical image data for use in machine learning projects.
 - Researched and implemented computer vision algorithms on medical imaging data using Python, Scikit-Image libraries, and NIFTI format bindings to create semi-automated image analysis processes.
- **Republic of Korea Air Force – Administrative Assistant**
 - April 2018 – March 2020 | South Korea
 - Facilitated unit-wide communications via phone, email, and briefings.
 - Automated manual data entry and reporting systems with semi-automated scripted solutions using Python and Excel macros.
 - Honorable discharge as staff sergeant at the Avionics Software Development Center.
- **Swink – Game Developer (Unity)**
 - January 2018 – March 2018 | Seoul, South Korea
 - Built educational games and teaching tools for iOS and Android using Unity and C#.
 - Collaborated with engineers, designers, and artists to coordinate project development.

Key Skills

- **Programming Languages:**
 - **Proficient:** Python, Javascript
 - **Familiar with:** C#, Java, C++
- **Technologies:** PyQt, PySide2, OpenCV, Scikit-image, React, Unity, SQL Databases
- **Software Engineering Tools:** Linux, Git, VS Code, Vim
- **Certifications:** CompTIA Network+, CompTIA Security+