Sam Kim

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EDUCATION

Virginia Polytechnic and State University (Virginia Tech) August 2021 – May 2025
B.S. Computer Science Blacksburg, VA
Relevant Coursework:
  • Computer Organization, Problem Solving in CS, Data Structures & Algorithms, Applied Combinatorics
 Clubs and Societies:
   SASE (Society of Asian Scientists and Engineers), VT KASA(Korean American Student Association),
   VT VSA(Vietnamese American Student Association)

Chantilly High school August 2018– May 2021
Public High school Chantilly, VA
 Honors:
   American Mathematics Competition 12 (3rd place), American Mathematics Competition 10 (2nd place)
 Clubs and Societies:
 Chantilly Programming club, New Hope Fellowship volunteering, Worked as a tutor in FCCGW

EXPERIENCE

Mi2R1 *May 2022 – August 2022*
Software Engineer Intern Seoul, Korea

- Worked as Intern in Mi2Rl, a laboratory part of Asan Medical Center that belongs to the Department of Convergence Medicine and Radiology.
- Acquire basic knowledge of medical imaging with deep learning, computer-aided surgery, and medical image processing.
- Developed automation scripts, updated databases, and worked closely with the deep learning scripts design team.
- Acknowledge the Research of CNN method, VIT method, and Chest X-ray classification.
- Understand the Lung segmentation and classification network python code.
- Basic understanding of how the detection of breast cancer could be utilized by localizing the active tumor regions using the CNN-based classification models in real time.
- Enhancing the performance of deep learning to detect the unseen datasets.
- Made variation validation that calculates the outcome of a deep learning system.

PROJECTS

Personal Portfolio Website **May 2018 - Present**
- Currently designing a personal website by using college-level backend and frontend hosted through GitHub Pages.
- Developed my own skills from using wordpress during high school, more depth into coding after college.
- Planned to update frequently with relevant information about personal and professional experiences and achievements.

SKILLS

Technical: Java, Python, C, MATLAB, HTML, Linux, Adobe Premiere Pro, Adobe Photoshop,
Non-Technical: Korean, English, Teamwork, Leadership, Mentorship, Customer Service