

YEAEUN SONG

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EDUCATION

Georgia Institute of Technology Atlanta, GA	<i>August 2025 – Present</i>
Bachelor of Science in Computer Engineering, Minor in Nuclear Radiological Engineering	<i>Expected Graduation: May 2028</i>
Moraine Valley Community College Palos Hills, IL	<i>August 2023 – May 2025</i>
Associate Degree in Engineering Science, GPA 4.0 / 4.0	

SKILLS

- **Programming:** Python, C++, Java, MATLAB, HTML, CSS, JavaScript, React
- **AI/ML frameworks:** PyTorch, TensorFlow, nnU-Net, deep learning model development and optimization
- **Tools:** Git/Github, Linux, Docker, VS Code, Eclipse, IntelliJ, Jupyter Notebook

EXPERIENCE

Moraine Valley Community College Palos Hills, IL	
Math & Science Tutor / TRIO	<i>January 2024 – May 2025</i>
• Tutored 20+ underserved students weekly in math, physics, and biology, through federally-funded program	
Keimyung University Daegu, Korea	
Research Assistant / Nuclear Medicine Department	<i>March 2023 – August 2023</i>
• Conducted research in medical imaging and deep learning, contributing to academic publications in nuclear medicine	
• Processed and analyzed 600+ PET/CT scan datasets to validate automated striatum segmentation accuracy	
• Collaborated with medical professionals to translate clinical requirements into technical specifications	

PROJECTS

TOM Makeathon Website Development	<i>October 2025 – Present</i>
• Developing production-ready website for TOM:ATL using Next.js and React, connecting makers across 3 university campuses (Georgia Tech, Emory, KSU) with individuals needing assistive technology solutions	
• Engineered 6 WCAG-compliant features (text-to-speech, dynamic sizing, color inversion, etc) and Google Sheets API CMS workflow enabling non-technical content management by campus coordinators	
Deep Learning Model for Striatum Segmentation (Independent Research)	<i>August 2023 – Present</i>
• Presented abstract, “Striatum Segmentation Deep Learning Model in F-18 FP-CIT PET/CT Images”, at the 21 st International Symposium on Biomedical Imaging (ISBI), Greece 2024	
• Developing and optimizing a deep learning model using PyTorch and nnU-Net, improving diagnostic accuracy for medical imaging applications	
Mongolia Medical Mission Trip	<i>July 2024</i>
• Assisted healthcare professionals in providing medical services to underserved communities, helping 200+ patients	
• Developed and deployed a Korean-Mongolian speech-to-speech translation tool, enabling real-time verbal communications between the medical team, patients, and 20+ local healthcare workers	

LEADERSHIP

President, Phi Theta Kappa Honor Society Moraine Valley Community College	<i>August 2024 – May 2025</i>
• Elected president of the international honor society for two-year colleges, leading a chapter of 100+ active members	
• Oversaw meetings, service initiatives, executive decisions, scholarship opportunities, chapter communications, and directed campus-wide Hallmarks mobilizing PTK members to contribute 500+ service hours	
President, International Student Ambassadors Moraine Valley Community College	<i>August 2023 – May 2025</i>
• Led organization of 30+ members organizing biweekly events, fundraisers, and cultural integration programs	
• Managed recruitment, event planning, and collaboration with Student Life Departments	