

JIMIN LEE

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EDUCATION

RENSELAER POLYTECHNIC INSTITUTE Troy, NY
Bachelor of Science in Electrical, Computer and Systems Engineering
Minors: Physics and Strategic Writing
Overall GPA: 3.79
EXPECTED MAY 2026

SKILLS

Technical: Java, Python, C++, JavaScript, LTSpice, Siemens NX, MATLAB, Microsoft Office
Professional: Public Speaking (Impromptu & Debate)
Others: Acoustic Guitar, Taekwondo, Fencing
Foreign Languages: Korean

WORK EXPERIENCE

RENSELAER POLYTECHNIC INSTITUTE Troy, NY
Undergraduate Researcher, Network Analysis SEP 2024 - PRESENT

- Utilizing srsRAN to create a simulated Open RAN environment to demonstrate real-world security threats posed by malicious xApps
- Developing a software-based system to counter, monitor and prevent xApp security threats
- Measuring KPI and performing network analysis using MobileInsight to analyze the performance of the 5G simulated network

RENSELAER POLYTECHNIC INSTITUTE Troy, NY
Undergraduate Teaching Assistant, Intro to ECSE JAN 2024 - PRESENT

- Advising a total of 228 students over the course of 3 semesters
- Designing and hosting workshops on circuit analysis with LTSpice simulations, M2K/Analog Discovery boards
- Developed and designed part of Lab 3 that focuses on Communication Systems and Modulation Examples

PROJECTS

Project VOICE, Computer Vision and Artificial Intelligence MAY 2024 - PRESENT

- Conducting research on the cognition of speech and current technologies developed for the non-verbal community
- Utilizing computer vision & AI to develop a home use medical device system that can provide non-verbal children with an alternative method of communication
- Co-leading a group of 15 students to develop modules for BCI2000 and build a functioning prototype

RELEVANT ACTIVITIES

BYOND (Build Your Own Nano Device) Program, Participant JAN 2024 - NOV 2024

- Developed a foundational understanding of microfabrication and semiconductor manufacturing
- Experimented with the different equipment within the RPI cleanroom

Rensselaer Center for Open Source (RCOS), Project Lead MAY 2024 - PRESENT

- Created and led multiple teams for open-source projects ranging from game development to letter board prediction algorithms

Women's Mentoring Program, Mentor DEC 2023 - PRESENT

- Mentoring incoming freshmen to help adjust to college life through providing guidance and tutorship

HONORS + AWARDS

Dean's Honor List
Rensselaer Medal 2023

CERTIFICATIONS

Six Sigma Green Belt Certification 2024
Six Sigma Green Belt Healthcare Certification 2024
SOLO CPR/AED Certification 2023