JIMIN LEE

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EDUCATION

RENSSELAER POLYTECHNIIC INSTITUTE Troy, NY
Bachelor of Science in Electrical, Computer and Systems Engineering   EXPECTED MAY 2026
Minors: Physics and Strategic Writing
Overall GPA: 3.83/4.0

SKILLS

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

WORK EXPERIENCE

RENSSELAER POLYTECHNIC INSTITUTE Troy, NY   SEP 2024 – PRESENT
Undergraduate Researcher, Network Analysis & Mapping
- Creating a data collection platform to monitor wireless network traffic in the surrounding areas near the RPI campus
- Developing a map of wireless signal strength at different locations indoors/outdoors and with/without mobility

RENSSELAER POLYTECHNIC INSTITUTE Troy, NY
Undergraduate Teaching Assistant, Intro to ECSE   JAN 2024 – PRESENT
- Assisting a total of 186 students in both Spring 2024 and Fall 2024
- Hosting various workshops such as: circuit analysis with the M2K and Analog Discovery boards, LTSpice simulation run-throughs, exam reviews and useful technical skills (ranging from topics like datasheet reading to utilizing different tools)

PROJECTS

Watermelon Lights, Electric Circuits   MAY 2024 – SEP 2024
- Designed and implemented a circuit to turn on a light based on a specific frequency bandwidth
- Gained experience in circuit simulation, operational amplifiers and frequency filters
- Poster presented at the Grand Opening for the Mercer XLab as part of the Mercer X Corridor of Creativity and Community

Fullerene, Digital Modeling and Game Development   MAY 2024 – AUG 2024
- Developed a 3D Unity-modelled environment for molecule building and exploration
- Poster presented at the RCOS Expo
- In collaboration with Rensselaer Center for Open Source (RCOS)

Personalized Tutor: Circuit Randomizer, Circuit Analysis and Web   JAN 2024 – MAY 2024
Development
- Developed a circuit randomizer personalized to students' learning needs using JavaScript
- Collaborated with professors to make the program efficient for classroom and laboratory use
- Worked on this project as an Undergraduate Researcher for the MercerX Lab at Rensselaer Polytechnic Institute

LEADERSHIP + RELEVANT ACTIVITIES

BYOND (Build Your Own Nano Device) Program, Participant   JAN 2024 – PRESENT
Rensselaer Center for Open Source (RCOS), Member   MAY 2024 – AUG 2024
RPI IEEE Student Chapter, Member   MAR 2024 – PRESENT
Rensselaer Cybersecurity Collaboratory, Member   AUG 2023 – PRESENT
Society of Women Engineers (SWE), Member   2023 – PRESENT

HONORS + AWARDS

Dean's Honor List   FALL 2023, SPRING 2024, SUMMER 2024
NCL Team Game – 16th place   SPRING 2024
Rensselaer Medal   2023