JIMIN LEE

CONTACT

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EDUCATION

B.S. in Electrical & Computer Systems Engineering
Rensselaer Polytechnic Institute
Expected May 2026

- Minors: Physics & Writing
- GPA: 3.74

SKILLS

- **Technical:** LTSpice, MATLAB, KiCAD, Verilog, Siemens NX, FreeCAD, Unity
- **Professional:** Public Speaking (Impromptu & Debate)
- **Others:** Guitar, Taekwondo, Fencing
- **Languages:** English, Korean, Chinese

CERTIFICATIONS

Six Sigma Green Belt Certification
Institute of Industrial and Systems Engineers (IISE)
2024

Six Sigma Green Belt Healthcare Certification
Institute of Industrial and Systems Engineers (IISE)
2024

WORK EXPERIENCE

RPI-HVCC NSF Includes Semiconductor Scholars Intern & Mentor
Rensselaer Polytechnic Institute
May 2025 – Aug 2025

- Developed and built multiple hands-on electronics projects using KiCAD, PCB printers and Arduinos, including a functional RC car and an artificial plant lighting system
- Designed and implemented a Crossy Road–inspired minigame using Verilog on the Basys 3 FPGA board; developed a tutorial to guide others through the project
- Mentored high school & first-year community college students on digital design using TinyTapeout and led leadership modules

Undergraduate Student Researcher
RPI Wireless Intelligent Systems Lab
Sept 2024 – Apr 2025

- Simulated an Open RAN environment to demonstrate real-world security threats posed by selective jamming on srsRAN and MATLAB
- Measured KPIs using MobileInsight to analyze the performance of the 5G simulated network

Undergraduate Teaching Assistant
Rensselaer Polytechnic Institute
Jan 2024 – Apr 2025

- Advised a total of 228 students over the course of 3 semesters
- Created and hosted workshops for circuit analysis help with LTSpice simulations, M2K/Analog Discovery boards and exam reviews
- Designed Lab 3 (Communication Systems and Modulation Methods)

PROJECTS

Project Voice
Team Lead & Device Development Head | *May 2024 – Present*

- Bridging multidisciplinary engineering fields to spread awareness for non-verbal patients
- Developing a home-use assistive communication device using wearable and contactless biosensing devices
- Co-lead a group of 15 students to develop open-source modules for BCI2000