

Alan Lee | NY, NY
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EDUCATION

Rensselaer Polytechnic Institute, Troy, NY

Expected Graduation 2026

BSc Dual Major: Computer Systems Engineering/Computer Science, 3.55 GPA

Awards: Dean's Honor List Fall 2022, Fall 2023, Summer 2024

EXPERIENCE

Havas Health, NY, NY

5/22-8/22 | 5/23-8/23

IT Intern

- Imaged laptops for interns, new hires, freelancers, and employees, ensuring a smooth onboarding process
- Set up monitors and managed technological equipment across the workplace
- Performed daily tasks including electronics handling, organization, and inventory management, while offering general technical support to employees

Rensselaer Polytechnic Institute

9/22-5/23 | 9/23-8/24

Rensselaer Desktop Repair Assistant

- Imaged laptops under the RCR inventory, preparing them for students and professors
- Handled the front desk by inspecting and filing repair tickets to Dell for damaged laptops
- Organized and labeled cables and storage areas, reducing clutter and improving work efficiency

EXTRACURRICULAR

Rensselaer Electric Vehicle

1/23-Present

Vice President

1/24-5/24

President

9/24-Present

- Delivered presentations and led discussions at events to raise awareness about the club
- Ensured safety protocols were followed for test drives, ensuring a safe environment for both members and the public
- Contributed to the development of the club's vehicle GPS systems by helping design the control systems, creating PCB layouts, and writing embedded code

Physics Facilitator, RPI

1/23-5/23

- Assisted in setting up and guiding students through in-class experiments, ensuring understanding of the topic at hand
- Aided the professor in grading assignments and conducting class demonstrations to reinforce the student's understanding

SKILLS

Technical: CAD, Coding (C, C#, C++, Java, Dafny, Swift, MIPS, HTML, Verilog), Microsoft Office, Adobe Premiere Pro, Adobe Photoshop, Arduino Coding, PCB Design, Circuit Simulation, Git Version Control

PROJECTS

Seeing Eye Robot

- Developed and implemented the navigation and motor control systems for seamless movement and contributed to a wireless connection between the robot and the phone
- Managed and led a team of 6 engineers, ensuring project milestones were completed on time

Interface PCB

- Designed and developed a two-layer PCB that integrates multiple car systems using KiCad
- Designed a well-organized PCB schematic integrating multiple automotive subsystems and optimized the layout for clear, easy identification of components and their functions

Wordle Server

- Developed and thoroughly tested a Wordle application that used TCP/IP protocols to handle multiple client connections and manage multiple game states
- Implemented game logic for Wordle, ensuring efficient word and player input validation

RELATED COURSEWORK

- Data Structures & Algorithms (C++), Computer Communication Network, Principles of Software (Java), Embedded Control (C), Operating Systems (C), Computer Components and Operations & Computer Hardware Design (Verilog), Computer Architecture Networks and Operating Systems, Signals and Systems, Engineering Design