

## Carmen Lin

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### EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY

**Expected May 2027**

Candidate Bachelor of Science in Mechanical Engineering, **GPA: 3.4**

Minor : Dyson Business Minor for Engineers, Engineering Management

*Selected Coursework:* Statics and Mechanics of Solids • Thermodynamics • Mechanical Design • Dynamics • System Dynamics • Mechanics of Engineering Materials • Fluid Mechanics • Finance • Microeconomics • Accounting • Marketing

### SPECIALIZED SKILLS

**Technical:** MATLAB (Intermediate), Fusion360 (Intermediate), Blender (Intermediate), Soldering (Proficient), Java (Intermediate), Python (Intermediate), ROS2 (Beginner)

**Language:** English (Native); Mandarin Chinese (Fluent)

**VR:** Unreal Engine (Beginner), Carla (Beginner)

### RELEVANT EXPERIENCE

**Machine Lead**, *CUXR Project Team*, Cornell University

**Feb 2025 - Present**

- Designing a VR haptic arm delivering realistic force feedback in response to user interactions.
- Creating seamless integration between haptic gloves and the force-feedback arm to enable smooth transitions.
- Leading a project combining advanced haptics hardware with photorealistic VR environments

**Robotics Intern**, *AgAID*, Oregon State University

**June 2025 – Aug 2025**

- Collected multimodal data from robotic gripper trials, including force-torque, joint angles, and pressure sensors.
- Debugged ROS2 software for the Universal Robots UR5e.
- Designed and tested new proxy used for the data collection

**Research Assistant**, *IDS Laboratory*, Cornell University

**Sep 2024 – Sep 2025**

- Leading development of immersive VR features including realistic sounds, force feedback, and interactive buttons.
- Introducing new features and applications such as cars and maps into the Carla simulator using Unreal Engine.
- Conducting testing to ensure user comfort, precision and accuracy, and functionality across scenarios.

### WORK EXPERIENCE

**Student Administrative Assistant I**, *CALS Cooperative Extension*, Ithaca, NY

**Aug 2025 - Present**

- Managing administrative tasks to support daily office operations.
- Assisting with special projects, bookkeeping, and preparation of newsletters, publications, and fundraising events
- Researching and writing articles and materials for publication and outreach.

### LEADERSHIP EXPERIENCE

**Student Manager**, *Cornell Dining*, Ithaca, NY

**Oct 2024 - Present**

- Supervise a team of 40 employees, managing employee performance, terminations, and recruitment processes
- Oversee employee scheduling and payroll while ensuring accurate attendance and training certification records
- Facilitate weekly meetings with supervisory staff to ensure food safety regulations and operational compliance.

**Event Coordinator**, *The Wardrobe*, Ithaca, NY

**Feb 2025 – May 2025**

- Coordinated semesterly Pop-Up Shops and campus-wide events from setup to breakdown
- Organized fundraising initiatives via tabling and outreach to secure donations and support
- Enhanced The Wardrobe's campus visibility by leading promotional events and engaging students

### ACTIVITIES and INTERESTS

Snowboarding; Hiking; Bookbinding; Woodwork; Scrapbooking; Custom Mechanical Keyboards; Rolife Miniature Building; Legos; Cooking/Baking; Hands-on Projects; FPS and RPG games; Crocheting; Knitting; Nails