

# Rochelle Gao

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## EDUCATION

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| <b>Cornell University, College of Engineering</b><br><b>Bachelor of Science in Mechanical Engineering, Minor in Business</b>   | Ithaca, New York<br>August 2023 – May 2027 |
| <ul style="list-style-type: none"><li>• <b>GPA:</b> 3.630</li><li>• <b>Coursework:</b> Fluid Mechanics · System Dynamics · Mechanics of Engineering Materials · Introduction to Mechanical Design · Linear Algebra</li></ul> |  |

## SKILLS & LANGUAGE

**Skills:** SolidWorks, MATLAB, Python, Fusion 360, STAAD.Pro, Microsoft Office

**Languages:** English, Mandarin

## RELEVANT EXPERIENCE

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|---|--------------------------|
| <b>Steel Bridge Project Team, Cornell University</b>  | Ithaca, New York         |
| <i>Fabrication Lead</i>   | September 2024 – Present |
| <ul style="list-style-type: none"><li>• Direct and execute fabrication efforts while working with other sub-teams to optimize bridge design and build</li><li>• Develop Fusion 360, STAAD.Pro, machining, and welding skills while supporting analysis and refinement</li></ul>   |                          |
| <b>ENGRD 2210 Thermodynamics, Cornell University</b>  | Ithaca, New York         |
| <i>Undergraduate Teaching Assistant</i>   | August 2025 – Present    |
| <ul style="list-style-type: none"><li>• Lead weekly discussion sections and office hours to support student understanding of concepts and techniques</li><li>• Review course materials and answer students' questions on Ed Discussion to clarify derivations and key contents</li><li>• Take course exams and evaluate clarity, timing, and difficulty, providing feedback prior to student administration</li></ul> |                          |
| <b>Nanjing TVX Cleaning Equipment Co., Ltd</b>  | Nanjing, China           |
| <i>Structural Engineer Intern</i>   | June 2025 – July 2025    |
| <ul style="list-style-type: none"><li>• Generated a reference guide of mechanical drawing annotation standards for supplier use and engineer onboarding</li><li>• Updated SolidWorks models for components in ongoing mechanical assemblies to reflect design revisions</li><li>• Supported prototype assembly by documenting technical challenges and inefficiencies</li></ul>                                       |                          |
| <b>Beijing Benz Automotive Co., Ltd</b>   | Beijing, China           |
| <i>Research and Development Intern</i>  | June 2024 – August 2024  |
| <ul style="list-style-type: none"><li>• Catalogued automotive components of 11 models in a proprietary system to streamline supplier access to data</li><li>• Assisted in the production of educational videos about autonomous driving technology</li><li>• Attended biweekly section meetings on the latest advancements in automotive engineering</li></ul>  |                          |

## OTHER EXPERIENCE & INVOLVEMENT

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|--|------------------------------|
| <b>Intramural Sports Officiating, Cornell University</b>   | Ithaca, New York             |
| <i>Referee</i>   | March 2024 – May 2025        |
| <ul style="list-style-type: none"><li>• Communicated with supervisors, fellow referees, and players to promote sportsmanship during competitive games</li><li>• Proficient in rules and hand signals for various intramural sports, guaranteeing safety and adherence to regulation</li></ul>  |                              |
| <b>Sibley School of Mechanical and Aerospace Engineering 150<sup>th</sup> Anniversary</b>  | Ithaca, New York             |
| <i>Student Planner</i>   | September 2023 – April 2024  |
| <ul style="list-style-type: none"><li>• Coordinated celebration events to commemorate 150 years of Mechanical and Aerospace Engineering at Cornell</li><li>• Facilitated collaboration both within and outside the team to ensure seamless execution of events</li><li>• Implemented targeted promotional strategies, increasing event attendance and visibility across the student body</li></ul> |                              |
| <b>CITIC aiBank Corporation Limited</b>  | Beijing, China               |
| <i>Consumer Finance Intern</i>   | December 2023 – January 2024 |
| <ul style="list-style-type: none"><li>• Formulated customer-satisfaction questionnaire and interviewed bank customers to solicit critiques and reviews</li><li>• Evaluated interview responses and developed/tested various sales and marketing messages</li></ul>   |                              |
| <b>Other Activities:</b> Society of Women Engineers (September 2023 – Present), Cornell Women's Club Ice Hockey (October 2023 – Present)   |                              |