

Rochelle Gao

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EDUCATION

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

SOFTWARES, SKILLS & LANGUAGE

Softwares: SolidWorks, Autodesk Fusion 360, STAAD.Pro

Skills: MATLAB, Python, Microsoft Office

Languages: English, Mandarin

RELEVANT EXPERIENCE

Steel Bridge Project Team, Cornell University <i>Fabrication Lead</i>	Ithaca, New York September 2024 – Present
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- Direct and execute fabrication efforts while working with other sub-teams to optimize bridge design and build
- Develop Fusion 360, STAAD.Pro, machining, and welding skills while supporting analysis and refinement

ENGRD 2210 Thermodynamics, Cornell University <i>Undergraduate Teaching Assistant</i>	Ithaca, New York August 2025 – Present
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- Lead weekly discussion sections and office hours to support student understanding of concepts and techniques
- Review course materials and answer students' questions on Ed Discussion to clarify derivations and key contents
- Take course exams and evaluate clarity, timing, and difficulty, providing feedback prior to student administration

Nanjing TVX Cleaning Equipment Co., Ltd <i>Structural Engineer Intern</i>	Nanjing, China June 2025 – July 2025
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- Generated a reference guide of mechanical drawing annotation standards for supplier use and engineer onboarding
- Updated SolidWorks models for components in ongoing mechanical assemblies to reflect design revisions
- Supported prototype assembly by documenting technical challenges and inefficiencies

Beijing Benz Automotive Co., Ltd <i>Research and Development Intern</i>	Beijing, China June 2024 – August 2024
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- Catalogued automotive components of 11 models in a proprietary system to streamline supplier access to data
- Assisted in the production of educational videos about autonomous driving technology
- Attended biweekly section meetings on the latest advancements in automotive engineering

OTHER EXPERIENCE & INVOLVEMENT

Intramural Sports Officiating, Cornell University <i>Referee</i>	Ithaca, New York March 2024 – May 2025
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- Communicated with supervisors, fellow referees, and players to promote sportsmanship during competitive games
- Proficient in rules and hand signals for various intramural sports, guaranteeing safety and adherence to regulation

Sibley School of Mechanical and Aerospace Engineering 150th Anniversary <i>Student Planner</i>	Ithaca, New York September 2023 – April 2024
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- Coordinated celebration events to commemorate 150 years of Mechanical and Aerospace Engineering at Cornell
- Facilitated collaboration both within and outside the team to ensure seamless execution of events

CITIC aiBank Corporation Limited <i>Consumer Finance Intern</i>	Beijing, China December 2023 – January 2024
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- Formulated customer-satisfaction questionnaire and interviewed bank customers to solicit critiques and reviews
- Evaluated interview responses and developed/tested various sales and marketing messages

Other Activities: Society of Women Engineers (September 2023 – Present), Cornell Women's Club Ice Hockey (October 2023 – Present)