

Rochelle Gao

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EDUCATION

Cornell University, College of Engineering Ithaca, New York
Bachelor of Science in Mechanical Engineering, Minor in Business August 2023 – May 2027

- **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 Ithaca, New York
Fabrication Lead September 2024 – Present

- 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 Ithaca, New York
Undergraduate Teaching Assistant August 2025 – Present

- 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 Nanjing, China
Structural Engineer Intern June 2025 – July 2025

- 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 Beijing, China
Research and Development Intern June 2024 – August 2024

- 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 Ithaca, New York
Referee March 2024 – May 2025

- 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 Ithaca, New York
Student Planner September 2023 – April 2024

- 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 Beijing, China
Consumer Finance Intern December 2023 – January 2024

- 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)