Gina (Chi Chia) Chen

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EDUCATION

Cornell University, College of Agriculture and Life Sciences, Ithaca, NY   **Expected May 2028**
Bachelor of Science, Environmental Engineering, Minor in Applied Economics and Management
Cumulative GPA: 3.849/4.000 (as of Spring 2025)
Relevant Coursework: Engineering Processes for Environmental Sustainability, Uncertainty Analysis in Engineering, Individual Study in Biological and Environmental Engineering, Differential Equations for Engineers, Physics II: Electricity & Magnetism, Intro to Computing: An Engineering and Science Perspective, Intro to Organic and Biological Chemistry, Thermodynamics

PROFESSIONAL EXPERIENCE

Environmental Defense Fund (EDF), Washington, D.C., *Energy Transition & Labor Markets Intern*   **Jun 2025 - Aug 2025**
- Conducted economic analysis of labor impacts from the clean energy transition using Python/R and large datasets, performing calculations and creating visualizations (maps, tables), estimating over 10,000 employment opportunities.
- Contributed to a job impact model for Canada in support of methane mitigation policies and international climate goals.
- Presented findings to EDF researchers, policy experts, and stakeholders at Environment and Climate Change Canada (ECCC) and the University of Waterloo.
- Drafted policy review papers using Overleaf by synthesizing research to inform clean and just energy transition strategies.

GreenClub, Cornell University, *Food Waste Gaps Team Lead & Professional Development Chair*   **Sept 2024 - Present**
- Initiated and led composting projects that diverted food waste from landfills on campus and in the Ithaca community.
- Facilitated partnerships between 3+ restaurants and waste management companies, quantifying environmental and economic impacts through GHG reduction estimates and cost savings.
- Analyzed Cornell Catering food waste data and collaborated with Anabel's Grocery and AppDev to propose an Eatery app extension for food redistribution.
- Designed and led workshops on environmental modeling and full-stack development for 15+ new members.
- Supported 40+ members' growth by organizing professional development events and tracking engagement.

Engineers for a Sustainable World, Cornell University, *Member*   **Feb 2025 - Present**
- Analyzed real-time HVAC data from a campus building using WebCTRL, Python (Pandas, Matplotlib), and Excel to calculate heat recovery effectiveness.
- Developed a seasonal validation framework to evaluate system efficiency across different airflow and temperature conditions.
- Updated Energy Conservation Initiative (ECI) records on GRITS to support Cornell's carbon neutrality goals.
- Collaborated with Philosophy Family Farm on sustainable retrofitting and life cycle assessment (LCA) for disaster recovery planning and reconstruction.
- Designed Canva graphics and supported ESW's social media outreach and rebranding efforts to grow campus engagement.

ADDITIONAL EXPERIENCE

Campus Sustainability Office, Cornell University, *STARS Student Coordinator*   **Aug 2025 - Present**
- Collected and compiled data for STARS reporting, supporting Cornell's pursuit of its seventh consecutive Platinum sustainability rating.
- Collaborated with campus departments to gather data across Academics, Engagement, Operations, and other key areas.
- Trained staff and student organizations on the STARS platform to ensure accurate and consistent data entry.
- Organized sustainability events and partnered with student groups to drive engagement, raise awareness, and create blog content promoting initiatives such as Cornell's Climate Action Month.

CAMPUS INVOLVEMENT

BEE Hive Society of Biological and Environmental Engineering, Cornell University, *Member*   **Aug 2024 - Present**
Eastern Music Ensemble at Cornell, Cornell University, *Event Curator*   **Aug 2024 - Present**

SPECIALIZED SKILLS

Programming & Modeling: Python, R, C++, Environmental Modeling
Tools & Software: Microsoft Office, Google Workspace, WebCTRL, Canva, CapCut, InShot, Overleaf
AI Tools: ChatGPT, Copilot, Notion AI, MidJourney, AIVA
Languages: English (Fluent), Mandarin Chinese (Fluent)