

Juliet Crane

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EDUCATION

CORNELL UNIVERSITY

Ithaca, NY

Bachelor of Arts in Computer Science & Economics

Expected May 2028

- Milstein Scholar | GPA: 3.96 | Dean's List (all semesters)
- Relevant Coursework: Object-Oriented Programming and Data Structures, Linear Algebra, Introductory Microeconomics, Trends in Web Development, Artificial Intelligence and Storytelling

PROFESSIONAL EXPERIENCE

MILSTEIN SUMMER PROGRAM AT CORNELL TECH

New York City, NY

Milstein Scholar

June 2025 – Present

- Selected as 1 of 25 scholars from thousands of Cornell undergrads for an intensive 8-week program at Cornell Tech
- Developed proficiency in 3D modeling (Fusion 360), 3D printing, laser cutting, Adobe Illustrator, and vinyl cutting
- Built a real-time speech transcription system leveraging Whisper X, a microphone, and ESP32 microcontroller
- Analyzed large data sets from NYC Participatory Budgeting, proposing data-driven policies to reduce urban pollution

CORNELL DIGITAL TECHNOLOGY & INNOVATION

Ithaca, NY

Software Developer

September 2024 – Present

- Drive development of community-focused tech products as part of a selective (6.1% acceptance rate) 94-member team
- Collaborated with team of 9 to optimize internal tools platform & develop team public website using React framework
- Built interview dashboard to automate applicant tracking, saving leads 10+ hrs/wk on manual sheets and email tasks

PERPLEXITY AI

Ithaca, NY

Campus Strategist

January 2025 – May 2025

- Led outreach efforts that increased platform use by 79% across Cornell through strategic partnerships and events
- Identified high-impact student orgs and built 10 collaborative sponsorships in 2 weeks to promote AI adoption
- Initiated partnership for CU Design-a-thon, boosting Perplexity's visibility to 130+ student designers across sessions

JAPAN-AMERICA STUDENT CONFERENCE (JASC 77)

Ithaca, NY

Environmental Innovation & Entrepreneurship Roundtable Delegate

March 2025 – Present

- Collaborate with 7 cross-cultural delegates to prepare presentations for forums in Kyoto, Osaka, Kumamoto & Tokyo

PROJECTS

IKANJI – CUSTOMIZABLE KANJI STUDY APP

React, Next.js, TypeScript, Tailwind CSS, Firebase, OpenAI API, Figma, Git

October 2024 – Present

- Developed an AI-integrated web app for learning Japanese kanji with custom flashcards, quizzes, and shared lessons
- Conducted user research and selected for integration into Cornell's Beginner Japanese curriculum (Fall 2025)

CORNELL DIGITAL TECH & INNOVATION – COURSE PAGE FRONTEND

React, Next.js, TypeScript, Tailwind CSS, Figma, Git

May 2025 – June 2025

- Built the Course page frontend, implementing a responsive timeline and staff section to match Figma designs
- Developed custom React hooks and ensured seamless UX across devices by optimizing interactivity and layout

INTERVIEW STATUS DASHBOARD

React, TypeScript, REST API, CSV Parsing, Frontend & Backend Integration

April 2025 – May 2025

- Built a dynamic dashboard to automate applicant tracking, featuring real-time status updates, filtering and bulk actions
- Developed instance management, CSV upload for bulk data, and backend API integration to improve efficiency

SKILLS, AWARDS, ACTIVITIES, INTERESTS

- Technical Skills: Java, Python, TypeScript, JavaScript, C#, HTML/CSS, React.js, Svelte, Firebase, Git, Unity, Figma
- Leadership & Activities: Vice President, Cornell Women's Club Hockey · Merchandise Chair, Symphony Orchestra
- Interests: Experimental oatmeal recipes, Japanese, One Piece (anime), French horn karaoke, Frozen yogurt, Painting