

# Juliet Crane

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## EDUCATION

### CORNELL UNIVERSITY

*Bachelor of Arts in Computer Science*

**Ithaca, NY**

*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

### ANTHROPIC

*Claude Builder Ambassador*

**Ithaca, NY**

*August 2025 – Present*

- Launched a university AI developer program achieving 206 signups in 1 week while delivering weekly status updates
- Defined success metrics and coordinated speakers, venues, & approvals to deliver with actionable post-event analysis

### CORNELL DIGITAL TECHNOLOGY & INNOVATION

*Software Developer*

**Ithaca, NY**

*September 2024 – Present*

- 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

### MILSTEIN SUMMER PROGRAM AT CORNELL TECH

*Milstein Scholar*

**New York City, NY**

*June 2025 – July 2025*

- Selected as 1 of 25 scholars from thousands of Cornell undergrads for an intensive 8-week program at Cornell Tech
- Analyzed NYC data with a 4-person team and presented an urban pollution policy proposal to government officials
- Built a real-time speech transcription system leveraging Whisper X, a microphone, and ESP32 microcontroller

### JAPAN-AMERICA STUDENT CONFERENCE (JASC 77)

*Environmental Innovation & Entrepreneurship Roundtable Delegate*

**Ithaca, NY**

*March 2025 – August 2025*

- Selected as 1 of 26 U.S. delegates for a 3-week conference with Japanese peers in Kyoto, Osaka, Kumamoto & Tokyo
- Co-developed a US state bill & delivered a capstone presentation on promoting next-generation nuclear fission policy

### PERPLEXITY AI

*Campus Strategist*

**Ithaca, NY**

*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

## PROJECTS

### TALKING TANUKI – INTERACTIVE JAPANESE-LEARNING COMPANION

*React Native (Expo), OpenAI Whisper & TTS, ESP32, Arduino, Bluetooth LE, Cloud Firestore*

*June 2025 – July 2025*

- Built a cross-platform app that pairs with a plush ESP32-powered tanuki for real-time Japanese conversation practice
- Implemented on-device speech capture → Whisper transcription → GPT prompt → Japanese TTS for instant replies
- Programmed ESP32 in C++ (Arduino) to create Bluetooth A2DP pipeline that streams audio via I<sup>2</sup>S to a 3 W speaker

### 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)

## LANGUAGES, SKILLS, ACTIVITIES

- Programming Languages: Java, TypeScript, Python, JavaScript, C#, HTML/CSS
- Frameworks/Tools: React.js, React Native, Firebase, Cloud Firestore, Vercel, Netlify, Express, Git, Unity, Figma
- Campus Activities: Vice President, Cornell Women's Club Hockey · Vice President, Cornell Brass Club · Merchandise Chair, Cornell Symphony Orchestra · President and Founder, Cornell Claude Builders Club