Juliet Crane

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EDUCATION

CORNELL UNIVERSITY   **Ithaca, NY**
Bachelor of Arts in Computer Science   *Expected May 2027*
- Milstein Scholar | GPA: 3.96 | Dean's List (all semesters) | SAT: 1520 (Math: 780, EVBRW: 740)
- Relevant Coursework: Object-Oriented Programming and Data Structures, Functional Programming, Trends in Web Development

PROFESSIONAL EXPERIENCE

IDLER (YC25)   **San Francisco, CA**
Strategic Project Manager   *December 2025 – Present*
- Built quality assurance framework for contractor engineers, reducing management oversight 87% to support 10x scale of team
- 2x'd applicant pipeline & improved candidate quality by redesigning screening process & launching university outreach program

ANTHROPIC   **Ithaca, NY**
Claude Builder Ambassador   *August 2025 – Present*
- Grew Cornell's Claude Builders Club from zero to 532 signups and 307 active Slack members in one semester through weekly technical workshops, demos, and community-building events while securing faculty advisor and establishing governance structure
- Organized Cornell's first Claude Hackathon with 210 registrations and 119 participants, securing $1,800 in prizes and sponsorships from Monster Energy, Yerba Mate, and Entrepreneurship at Cornell and partnerships with 3 campus organizations

CORNELL DIGITAL TECHNOLOGY & INNOVATION   **Ithaca, NY**
Technical Product Manager (Sept 2025 – Present), Software Developer (Sept 2024 – Sept 2025)   *September 2024 – Present*
- Drove strategic development of community-focused tech products as part of a selective (6.1% acceptance rate) 94-member team
- Built CI/CD pipeline with automated testing and deployment for team repository, establishing GitHub Actions workflows and reviewing pull requests while mentoring developers on React/TypeScript best practices to streamline code review cycles
- Managed team of 5 developers across semester-long cycles, creating roadmaps, sprint plans & technical specifications for delivery

JAPAN-AMERICA STUDENT CONFERENCE (JASC 77)   **Ithaca, NY**
Environmental Innovation & Entrepreneurship Roundtable Delegate   *March 2025 – August 2025*
- Selected as 1 of 26 U.S. delegates to strengthen bilateral ties through strategic dialogue on environmental policy and clean energy
- Co-developed a US state bill & delivered a capstone presentation on next-generation nuclear fission policy for AI energy demands

PROJECTS

REDI – CORNELL-SPECIFIC DATING APP
React Native (Expo), Node.js/Express, Firebase (Cloud Functions, Firestore, Auth), Heroku   *September 2025 – Present*
- Led team of 1 designer, 2 developers, and 1 marketer to launch Cornell's first dating app from concept to production in 9 weeks
- Built automated matching system with Cloud Functions for releases and match generation, scaling to 150+ users within 2 weeks
- Implemented secure API architecture with authentication, role-based authorization, and comprehensive reporting/blocking features

TALKING TANUKI – INTERACTIVE JAPANESE-LEARNING COMPANION
React Native (Expo), OpenAI Whisper & TTS, ESP32, Arduino, Bluetooth LE, Firebase   *June 2025 – July 2025*
- Built cross-platform app that pairs with a plush ESP32-powered tanuki for immersive real-time Japanese conversation practice
- Implemented on-device speech capture → Whisper transcription → GPT prompt → Japanese TTS for instant conversation replies
- Programmed ESP32 in C++ (Arduino) to create seamless Bluetooth A2DP pipeline that streams audio via I²S 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, adaptive quizzes, and shared lessons
- Conducted user research and achieved selected for integration into Cornell's official 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 responsive Course page frontend, implementing dynamic timeline and comprehensive staff section to match Figma designs
- Achieved perfect 100% Google Lighthouse scores across all categories through meticulous accessibility-focused optimization

LANGUAGES, FRAMEWORKS/TOOLS, ACTIVITIES

- Programming Languages: Java, TypeScript, Python, JavaScript, C#, OCaml, C++, HTML5, CSS
- Frameworks/Tools: React.js, Svelte, Firebase, Heroku, Netlify, Docker, Next.js, Express.js, Git, Unity, Figma, Microsoft Office
- Campus Activities: President and Founder, Cornell Claude Builders Club · Vice President, Cornell Women's Club Hockey · Vice President, Cornell Brass Club · Merchandise Chair, Cornell Symphony Orchestra, Epsilon Nu Tau (Entrepreneurship Fraternity)