

JULIA PAPP

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EDUCATION

Cornell University

Aug. 2021 - Current

Bachelor of Art Computer Science 2025

Relevant Coursework:

Object-Oriented Programming and Data Structures, Machine Learning, Analysis of Algorithms, Discrete Structures, Functional Programming, Probability Models, Linear Algebra, Calculus I-II, Digital Product Design, Human-Computer Interaction Design, Design and Programming for the Web

EXPERIENCE

Cornell Research Assistant - Nexus Scholars Program

May 2022 - Aug. 2022

Selected for Cornell University's Inaugural Cohort of Nexus Research Scholars to complete a full-time, 8- week long summer intensive research program with a 10% acceptance rate.

- Conducted literature reviews to create scales for the dependent variables
- Used statistics, text analysis, experimental design, and programming (JavaScript) to set up the study
- Analyzed the research findings in JASP and Excel

Hack4Impact - Product Designer

Sept. 2022 - Current

Designer on Cornell's project team that aims to create products for nonprofits around the USA.

- Conducted user research with the design team to analyze and solve problems that nonprofits face with their current user interface
- Prototyped new designs on Figma and worked with software engineers to launch products for nonprofit organizations

Women in Computing at Cornell - Allyship Co-director

May 2022 - Current

Allyship Co-director of Cornell's club aimed to encourage women to pursue a career in tech.

- Host diversity and inclusion-related discussions with 60-80 general body members of WICC
- Created a more major-inclusive environment for students of not just computer science or information science majors to learn about how their studies can connect to tech
- Advocated for greater gender inclusivity to include gender minorities in the organization

PROJECTS

Pomodoro Timer | OCaml, VS Code

Oct. 2022 - Dec. 2022

Developed a pomodoro interval timer in OCaml using its graphics library

Coded a procedural generator that built an image as the user cycled through the timer intervals

Enigma | OCaml, VS Code

Sept. 2022

- Developed a software replica of the Enigma encryption machine used by the German military during WW2 using test-driven development and pattern matching in OCaml

Earth Law Center Admin Page | UX Case Study

Sept. 2022 - Dec. 2022

- Designed an admin page for a non-profit organization to enhance the user experience for the admins
- Lead weekly partner meetings to find the problem space, talk to users of the organization, and ideated solutions to better the user experience
- Prototyped the final flow and created a design-developer handoff

Redesigning BeReal | UX Case Study

Jan. 2022 - May 2022

Learned how industry-leading design teams solve user experience challenges and achieve business goals through design using Figma

Found the problem space, talk to users, and ideated solutions to better the user experience

Designed new features to help user interactions and user experience

SKILLS

LANGUAGES: Java, Python, OCaml, Swift, SQL, JavaScript, R

TECHNOLOGIES / FRAMEWORKS: Git, HTML/CSS, Atom, Eclipse, VS Code

UX/UI TOOLS: Figma, Blender, Spline, Photoshop