Catherine Carter

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Bachelor of Science: Computer Science and Design
University of Illinois at Chicago

- 08/2023 - 05/2027
- GPA: 3.53
- Dean's List

Leadership & Work Experience

Technical Research Assistant | Argonne National Laboratory | 05/2024 - 05/2024

- Developed and implemented API Python code automating the creation of DOIs across ALCF allocation programs, facilitating long-term tracking of allocation scientific impact.

Communications Assistant – Social Media | UIC Women's Leadership and Resource Center| 09/2024 - Present

- Develop and manage social media content and campaigns, design graphics, track analytics, and support program planning and events related to feminism and social justice.

NREIP Fall Engagement Intern | Naval Research Enterprise Internship Program (NAWCTSD) | 10/2025 – 12/2025

- Selected as one of 32 students nationwide for a competitive Department of Navy internship.
- Engaged virtually with Naval Air Warfare Center Training Systems Division (NAWCTSD) scientists, engineers, and mentors on research and innovation projects.
- Program includes 40 hours of project-based work, professional mentorship, and exposure to the training & simulation industry.

Design Intern | Spudnik Press Cooperative | 08/2025 – 12/2025

- Created a prototype redesign of Spudnik Press's website to better communicate its community printmaking initiatives and engage local artists through accessible, intention-based design.

Coursework

- Digital Media I
- Color Theory
- CS 251 - Data Structures
- Design Integrative Studios I & II

Skills

- Python
- C++
- Photoshop
- InDesign
- Illustrator
- Figma
- Adobe Creative Suite
- Microsoft Office

Projects

AR Design Project (UIC – Grow Greater) | Englewood Arts Collective – 01/2025 – 05/2025

- Partnered with stakeholders to design a lot in Englewood as a public space, prototyped AR visuals with Adobe Aero, supported by site visits and Englewood community input. Presented Proposal was selected for exhibition.

Youth Resource – 08/2023

- A comprehensive resource website for youth coded in Python.
- Key concepts: functions, imported data, turtle graphics animation, event-driven components

Ciphers Project – 01/2025

- Developed Caesar and substitution cipher programs in C++ to encrypt and decrypt text using function decomposition, brute force, and hill-climbing optimization.
- *Skills gained: C++ programming, problem decomposition, algorithm design, debugging with test suites, and file I/O.*