

Odessa Thompson

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Education

Cornell University, College of Arts and Sciences

Class of 2024

- B.A. of Computer Science, Minor in History, Cumulative GPA: 3.44

Relevant Coursework: (* = currently enrolled)

CS 3300 — Data-Driven Web Applications*

CS 3110 — Functional Programming

CS 4810 — Operating Systems*

CS 2110 — Obj-Oriented Prog & Data Struc

CS 4620 — Computer Graphics*

CS 2800 — Discrete Structures

CS 4820 — Analysis of Algorithms

INFO 1998 — Digital Project Design (TA)

CS 3410 — Computer System Organization

DEA 1110 — Difference in Design

Skills

- Languages: Java, Python, C#, React, Typescript, HTML/CSS
- Technologies: numpy, scipy, pandas
- Other: Final Cut Pro, Adobe Premiere Pro, other video editing software

Work Experience

Software Engineer Intern, Microsoft

Summer 2022

- Developed the Editor's Picks Video Shopping Carousel on [msn.com](https://www.msn.com), a new entry point for commerce with handpicked video recommendations.
- Engineered the customer frontend experience with telemetry and designed editor customizability in internal facing tools using TypeScript.
- Created a backend pipeline, from editor input to data storage to frontend experience, in C#.
- Led user-testing, scaffolding, and design meetings.

Explore Intern (Software Engineering and Project Manager), Microsoft

Summer 2021

- Created and iterated upon a local stores price comparison Android app for the Bing super-app
- Fully designed and developed a frontend user experience in React, prioritizing a native camera barcode scanner, an active session history, and geospatial data
- Engineered and integrated web and native scraping, with both HTML and Javascript

Design and Operations, Cornell University Unmanned Air Systems

2020 - Present

- Update and design new user interfaces of team website cuair.org and recruitment portal
- Produce, film, and edit a complete aircraft overview (Flight Readiness Review) for competition, as well as promotional and fundraising video outreach
- Created recruitment material using past data to reach out to a more diverse community of engineers and developers

Community Programs Intern, Herbert F. Johnson Museum of Art

2020 - Present

- Illustrated and wrote a Pre-K children's shapes book distributed to every preschooler in the Ithaca City School District and Kids Discover the Trail Museum program
- Produced, edited, and filmed 10+ STEM curriculum videos for elementary schools
- Work with curators and community programs managers to create community outreach projects for the greater Ithaca area