

Cassandra Sziklai

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EDUCATION

Cornell University, College of Arts & Sciences

Ithaca, NY

B.A. in Computer Science

August 2021 - May 2025

- GPA: 3.84
- **Related Coursework:** Object-Oriented Programming & Data Structures (Java), Functional Programming (OCaml), Computer System Organization, Programming Languages and Logics, Data-Driven Web Applications, Discrete Structures

EXPERIENCE

PL and Software-Defined Networking Researcher

Ithaca, NY

Cornell University, Capra Lab

June 2024 - Present

- Develop advanced programming abstractions to enhance packet scheduling efficiency in hardware using Calyx eDSL.
- Design and implemented a new domain-specific language (DSL) to facilitate user-defined scheduling policies, which are seamlessly compiled into our hardware framework.

TA for CS 2110: Object-Oriented Programming and Data Structures

Ithaca, NY

Cornell University

January 2024 - Present

- Hold regular consulting hours to provide personalized assistance to students on programming assignments
- Facilitate an interactive discussion section of 40 students to supplement lecture content
- Grade assignments and exams, ensuring fairness and consistency

UX Design Intern

Boonton, NJ

Hubbell

May 2023 - August 2023

- Conducted an accessibility audit of AclaraONE software application spanning 181 screens that brought awareness to the product's team and served as an initiative for accessibility compliance
- Provided code-level recommendations to meet WCAG 2.1 compliance
- Laid out a roadmap for addressing these accessibility issues in Azure DevOps for developers and project management

PROJECTS

Personal Portfolio Website -- Personal project

July 2023 - August 2023

- Developed a portfolio website to showcase my projects using React.js and CSS

life game -- Personal project

June 2023 - July 2023

- Designed and coded a web game based on user choice and randomized outcomes
- Leveraged HTML/CSS, JavaScript, Handlebars.js

SKILLS

Programming languages: Java, Python, OCaml, HTML/CSS, Javascript, C

Frameworks: React, Spring Boot, D3.js, Handlebars.js

UX Design: Figma, Adobe XD

Miscellaneous: GitHub, Logism, LaTeX, Excel