**Yael N. Borger**

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**EDUCATION**

**Swarthmore College** Swarthmore, PA

Bachelor of Arts May 2024

Major in Computer Science

Cumulative GPA: 3.21/4.0;

Relevant Coursework: Intro to Computer Systems; Data Structures and Algorithms; Software Engineering; Artificial Intelligence; Algorithms; Compilers; Game Systems; Computational Images

**WORK EXPERIENCE**

**IBM zSystems**

Ambassador Jan 2023 - May 2024

* Guided 15 cross-functional team members in mainframe technology through instructional presentations, online webinars, and team workshops,
* Gained expertise in advanced computer science concepts with weekly conferences and virtual challenges

**National Women’s Shelter Directory**

UI/UX Design Intern Jun 2023 - July 2023

* Arranged the layout and color scheme of the directory’s database for improved accessibility and cohesive formatting throughout the website,
* Researched and modeled best front-end structures for intuitive, straight-forward information delivery.

**IBM Research**

Teaching Assistant, Family Science Program Dec 2016 - March 2020

* Mentored groups of 20 students in exploring core physics, chemistry, and computer science principles and methodologies in an effort to inspire life-long science learning for students of all ages.

**UNIVERSITY PROJECTS**

[**MyStudyBuddy Chrome Extension**](https://github.com/amzhang02/mystudybuddy)

Software Engineer (Full Stack) Sept 2022 - Dec 2022

* Enabled high-priority dynamic time-based site restriction features through a Javascript-based Google Chrome extension.

**Neural Network for Flower Recognition**

Software Engineer (Back-end) Dec 2022

* Designed and implemented a software for identifying various types of flowers with 83% accuracy through a Python-based neural network.

**ACTIVITIES**

**Swarthmore College Computer Society (SCCS)**

Treasurer Sept 2022 – May 2024

* Managed $23,000 for an organization of 35 members through effective budgeting, project management, and long-term strategic planning

**Student-Run Crumb Cafe**

Manager Sept 2022 – May 2024

* Directed teams of 10 employees across all sections of the cafe, demonstrating adaptability and effective communication in fast-paced environments.

**ADDITIONAL**

**Technical Skills**: C, CSS, C++, Excel, HTML, Java, Javascript, LaTeX, Lua, OCaml, Python

**Languages:** Fluent in English, Portuguese (Brazil); Conversational Proficiency in Spanish