**Yael N. Borger**

Front-end Developer | North Bergen, NJ

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**EDUCATION**

**Swarthmore College** Swarthmore, PA

Bachelor of Arts in Computer Science May 2024

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

**WORK EXPERIENCE**

**IBM zSystems**

Ambassador Jan 2023 - May 2024

* Crafted engaging online learning experiences using front-end technologies to develop visually appealing presentations and interactive workshop content on mainframe technology.
* Facilitated team communication and participation by producing structured instructional materials and leading sessions that clarified complex concepts.

**National Women’s Shelter Directory**

UI/UX Design Intern Jun 2023 - July 2023

* Transformed the layout and color scheme of the directory, improving accessibility and establishing a cohesive visual identity that boosted user interaction and navigation.
* Conducted research on front-end design best practices, wireframing intuitive information architectures to optimize content delivery and enrich user experience for a diverse audience.

**IBM Research**

Teaching Assistant, Family Science Program Dec 2016 - March 2020

* Designed instructional materials and visual aids that simplified complex scientific concepts, promoting accessibility and fostering interactive learning environments in physics, chemistry, and computer science.

**UNIVERSITY PROJECTS**

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

Software Engineer (Full Stack) Sept 2022 - Dec 2022

* Developed a dynamic Chrome extension using JavaScript, HTML, and CSS to implement time-based site restriction features while employing Agile methodologies to iteratively enhance interactive prototypes based on user feedback and API integration to boost functionality and user engagement.

**Neural Network for Flower Recognition**

Software Engineer (Back-end) Dec 2022

* Created a Python-based neural network for flower recognition, achieving 83% accuracy, demonstrating strong analytical skills while exploring machine learning concepts and their real-world applications.

**ACTIVITIES**

**Swarthmore College Computer Society (SCCS)**

Project Lead & Treasurer Sept 2022 – May 2024

* Led branding efforts to standardize the club's visual identity, designing logo concepts for multiple projects, and developing wireframes for the school journal site to ensure consistency and creativity across the platform.

**Student-Run Crumb Cafe**

Manager Sept 2022 – May 2024

* Coordinated a team of 10 employees to enhance customer experience in a fast-paced cafe, applying user-centered design principles to optimize workflow and service efficiency.

**ADDITIONAL**

**Technical Skills:** JavaScript, ReactJS, CSS, HTML, Figma, Tailwind CSS, Python, Git, C++, Java, Lua, OCaml, C

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

Accessibility Adaptability Artistic Attention to detail API Backend developer Cloud Collaboration Communication Creativity Critical thinking Database Developer Debugging Documentation Empathy Flexibility Frameworks Front-end developer Full Stack developer Graphic design Innovation Interface Leadership Machine Learning Management Mobile-First Design Organizational skills React Research Responsive design Server Software Development Life Cycle Teamwork Typescript Performance optimization Problem solving Procreate Prototyping UI design UX Research Version control Web development Wireframes