**Yael N. Borger**

Software 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

* Guided 15 cross-functional team members in mainframe technology through instructional presentations, online webinars, and team workshops,
* Advanced technical acumen through continuous participation in weekly conferences and virtual technical challenges.

**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 GTS (Global Technology Services)**

Volunteer IoT & AI Developer Jun 2018 - Aug 2018

* Developed and integrated full stack solutions for the TJBot program, utilizing Watson API and Node-RED for backend functionalities while designing user interfaces to enhance interactive educational and business applications of AI-driven robotics.

**UNIVERSITY PROJECTS**

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

Software Engineer (Full Stack) Sept 2022 - Dec 2022

* Engineered a dynamic Chrome extension using JavaScript, HTML, and CSS, enabling time-based site restrictions with seamless front-end interaction and back-end API integration.

**Neural Network for Flower Recognition**

Software Engineer (Back-end) Dec 2022

* Designed and fine-tuned a Python-based neural network, achieving 83% image recognition accuracy while optimizing data processing and algorithm performance for real-world applications.

**ACTIVITIES**

**Swarthmore College Computer Society (SCCS)**

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.
* 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++, Figma, Git, HTML, Java, Javascript, Lua, OCaml, Python, ReactJS, Tailwind CSS

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

Accessibility Adaptability Artistic Attention to detail API CSS/HTML 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