

Paula Ionela Luput

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Education

University of Michigan - Ann Arbor

Bachelor of Science (Computer Science)

Coursework: Data Structures and Algorithms, Computer Organization, Computer Science Theory, Computer Security, Web Systems, Software Engineering, and User Interface Development

Relevant Skills: C++, Python, HTML/CSS, Javascript, SQL, Figma, Adobe Illustrator, Marketing, Excel, GitHub, and Microsoft 365

Management Experience

- ***Cofounder and Creative Director of Michigan Vintage Market*** *Sept 2023 - Present*
 - Founded a monthly sustainable market for Ann Arbor students/residents to shop vintage clothing as well as student artwork and jewelry.
 - Delegated with vendors and events, generating over **\$7k** in sales per event with an **80.79% profit margin**.
 - Created consistent advertising designs using Adobe Illustrator, Procreate, Canva, and hand-drawn designs, while crafting slogans, captions, and creative writing resulting in a **11k** Instagram reach within the first **3 months** of launching the account.
 - Co-created the brand vision and direction, implementing it across logo designs, event flyers, content creation, and all other promotional material.

Software Engineer Experience

- ***SDWAN - CISCO*** *Summer 2023*
 - Implemented the foundation of a ambitious project by developing a **C-based** AVL tree project that validated and secured IP addresses across multiple client networks, protecting hundreds of routers and reducing network vulnerabilities by **27%**.
 - Expanded the team's test suite and collaborated with engineers to resolve issues identified in existing tests.
- ***Duo Security (Blog)*** *Summer 2022*
 - Collaborated with the team on various UI tasks, gaining familiarity with team structure, implementation style, and code base, which included developing and refining UI components within the existing framework.
 - Partnered with the design team to independently implement a new error page, resulting in a **14%** reduction in user-reported issues over a **1-month period**.
 - Leveraged **Python**, **JavaScript**, and **React** to develop custom tests, ensuring comprehensive validation and integration with the team's main test suite.

Coding Projects

- ***Instagram Clone (React/Javascript)***
 - Developed an Instagram clone with dynamic client-side pages using **React Javascript**, **Jinja**, **HTML**, and **CSS**. Integrated asynchronous **Fetch API** for **REST API** calls and used a **SQLite** database. Deployed to **AWS** using services like **EC2** for hosting.
- ***Open Source Contribution (SerenityOS)***
 - Resolved a print **API issue** in an open-source project by developing a solution to render a PDF of the current page and programmatically trigger the print dialog.
 - Pair programmed and implemented the project by reviewing source code, conducting research, and engaging with the Discord community to clarify requirements and address challenges.

Additional Work

- ***Sole Stylist at Ann Taylor*** *Oct 2024 - Present*