Alexandra Smith

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portfolio: smithupdates.com

EDUCATION

Florida International University, B.S. in Computer Science Honors   May 2027
Relevant Courses: Java Programming (I & II), Systems Programming, Data Structures & Algorithms, Software Engineering
Clubs: NSBE(Programs Chair), WiCS Women in Computer Science (Web Dev Director), Black Student Union, INIT

TECHNICAL SKILLS

Programming Languages: Java, Python, Elixir, PostgreSQL, (HTML, CSS), Javascript
Frameworks: Tailwind, Bootstrap, Vue.js, React, Foundation | **Software**: Figma, Principal, Adobe Creative Suite, Microsoft Suite, SEO

RELEVANT EXPERIENCE

AI/ML Engineering Extern – **Outamation**   **May 2025 - June 2025**
- Developed and deployed AI-driven automation pipelines for mortgage document processing using Python, OCR (Tesseract, PyMuPDF), and NLP tools, transforming unstructured PDFs into structured data and significantly enhancing model accuracy.
- Built advanced Retrieval-Augmented Generation (RAG) systems with LlamaIndex and LangChain, improving document search and question answering.

Junior Web Developer, Florida International University   **February 2023 - Present**
- Collaborated with end-users to design, develop, and deploy tailored web applications, ensuring UX/UI principles and performance optimization.
- Maintained university websites, focusing on upgrades, bug fixes, and performance improvements.

UX/Product Designer – **Travel Agency Tribes** (**Contract**)   **June 2023 - August 2023**
- Designed and implemented 30+ customizable, modular web templates tailored to 1500+ travel agency clients, prioritizing user accessibility, mobile responsiveness, and rapid deployment.
- Led front-end development using reusable component systems to ensure consistent branding and flexible content structures for diverse client needs.

Product Designer & Front-End Engineer, Baan Smile   **September 2021 - June 2023**
- Led front-end architecture design and development, improving site performance and increasing web traffic by 30%.
- Built an interactive budget and visa eligibility tool for expats, generating 700+ user inquiries and optimizing UI/UX for accessibility and engagement.

PROJECTS

Pomparser, Web Parser (Java, PostgreSQL, HTML)   **January 2024**
- Developed a web scraping tool using Java and SQL to extract metadata, LD-JSON, and image attributes for SEO optimization and ranking analysis.

Brawtalist (**Elixir, HTML, CSS**)   **Present**
- Created one of Jamaica's leading resource platforms, generating 17,000+ monthly visitors by consolidating scattered information and ensured platform scalability with a modular backend design.

LEADERSHIP EXPERIENCE

Programs Chair, National Society of Black Engineers (**NSBE**)   **2024 - Present**
- Led a team of 4 to plan and execute events such as workshops, Black History Month panel, and volunteer events.