# Michael Sousa

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## LANGUAGES AND TECHNOLOGIES

**Spoken:** English, Spanish
**Low-Level Languages:** C
**High-Level Languages:** Python, Java, C++
**Web:** JS, TS, React, NodeJS, TailwindCSS, NextJS, Django, Flask
**Other:** Git, SQL, Unix, Bash, Figma

## PROJECTS

### [Nole Patrol](#)
*(Django, Python)*
- Worked collaboratively in a team to develop Nole Patrol, a web application using Python and Django, enabling users to search and identify potential data breaches associated with FSU emails.
- Implemented database management for efficient data imports, and integrated secure password encryption into the platform for user data protection.
- Enhanced user experience by implementing search functionality, and designing a user-friendly interface.

### [Personal Website](#)
*(NextJS, ChakraUI, ThreeJS)*
- Developed a dynamic, responsive portfolio site leveraging Next.js for enhanced performance, utilizing server-side rendering and static site generation.
- Engineered an engaging user interface with Chakra UI, focusing on responsive design and custom themes to elevate the site's aesthetics and usability.
- Implemented Three.js in the website for 3D visualizations, showcasing skill in interactive 3D graphics and blending creativity with technical acumen.

### [Fileoperator - Python Package](#)
*(Python)*
- Developed an all-in-one utility package for file operations including encryption, compression, and manipulation.
- Equipped with a suite of efficient, predefined functions, significantly reducing manual workload and streamlining workflow processes for users.
- Provided an improved solution to similar deprecated packages.

## EDUCATION

**Florida State University**                                                    **2022 - 2024**
*BA, Computer Programming and Applications*                        *Tallahassee, FL*
- **GPA:** 3.5
- **Relevant Coursework:** Data-Structures and Algorithms, Object Oriented Programming, Software Engineering
- **Experience:** Gained extensive hands-on experience through practical projects and coding assignments, solidifying problem-solving abilities and practical application of programming concepts.

## CERTIFICATIONS & SKILLS

- **Certifications:** [Certified Entry-Level Python Programmer](#)
- **Skills:** Project-Management, Mobile-First, Performance-Optimization, API-Integration, Database Management