

Sebastian Blanco

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Software engineer with experience in designing, developing, testing, and debugging software solutions: full-stack development, operating system programming, and quantum computing algorithms.

EDUCATION

Florida State University

Bachelor of Arts in Computer Science

Tallahassee, Florida

August 2024

Core classes: Object-Oriented Programming, Calculus, Data Structures I & II, Discrete Mathematics, Software Engineering, Operating Systems, Parallel and Distributed Applications

Advanced Topics: Data Science with Python, Mobile Programming, Full-stack development in C#, Quantum Computing

PROJECT EXPERIENCE

. NET MAUI Web Application

Full-Stack Development in C

- Implemented CRUD functionality to a multi-platform app in C# and VS Studio Code. Users have access to CRUD and shopping functionality to an inventory.

Operating system programs

Operating Systems

- Led a team to create a kernel module with a focus on concurrency in C and Linux VM. Kernel module mimics an elevator loading and offloading passengers at each floor.
- With the same team, we created a shell program in C that implements forking, piping, i/o redirection, background processing, and internal command executions.

Web applications

Parallel and Distributed Systems, Software Engineering

- “Friendly Neighborhood” Web Application where users can create and read posts according to zip code. Python and Flask was used for backend and routing, Firebase and Firestore for authentication and database management.
- “Gamer Insights” Web Application where users can search for player stats with username for certain games. C# was used for backend logic to fetch player and game data while React, TypeScript, and CSS was used for frontend.

To-Do Android Application

Mobile Programming

- Contributed to a to-do app in Java and Android Studio. Main focus with user interface and design.
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SKILLS

Languages: English and Spanish

Programming languages: Python, Java, C, C#, C++, HTML/CSS

Developer tools: VS Studio Code, Android Studio, Microsoft Azure, Docker, GitHub, Linux

Libraries/Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit, Qiskit, Flask, React