

# DAVID SILVA

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## EDUCATION

### Florida State University

Master's in Computer Science | GPA: 4.0

Tallahassee, FL

May 2025

### Florida State University

Bachelor's in Computer Science | GPA: 3.97

Tallahassee, FL

May 2024

## WORK EXPERIENCE

### Walmart Supercenter #721

Food Team Lead

Port Charlotte, FL

Sep 2020 - Aug 2022

- Managed the grocery, frozen, and dairy departments of the business
- Led a team of grocery associates who specialized in excellent customer service
- Ensured shelves and displays stocked for customers and maintained a safe work environment

## TECHNICAL SKILLS

Programming Languages:	C, C++, C#, Python, TypeScript/JavaScript
Web Development:	Astro, React, Next.js, Node.js, Express.js, TailwindCSS
Mobile/Desktop App Development:	.NET MAUI
Backend Development:	Flask, SQLAlchemy, ASP.NET Core Web API
Databases:	MySQL, SQLite3, MongoDB, Redis
Technologies:	Git/GitHub, Linux, Docker, Vercel, Google Cloud Platform (GCP)

## PROJECTS

### DoorHinge *React, TypeScript, Flask, MySQL*

[github.com/Daverhan/door-hinge-web-app](https://github.com/Daverhan/door-hinge-web-app)

- Developed a web application to connect users with property listings
- Implemented Role-Based Access Control (RBAC) to securely manage user permissions and access rights

### Where's Lunch? *Next.js, TypeScript, Redis*

[github.com/Daverhan/wheres-lunch-web-app](https://github.com/Daverhan/wheres-lunch-web-app)

- Developed a web application designed to help you and your friends decide on where to eat for lunch
- Integrated Socket.IO to enable real-time communication and manage multiple concurrent lobbies

### Elevator Kernel Module *C, Linux Kernel*

[github.com/Daverhan/elevator-kernel-module](https://github.com/Daverhan/elevator-kernel-module)

- Developed a Linux Kernel Module that simulates an Elevator
- Implemented mutex-based synchronization to ensure safe multithreading operations

### Personal Portfolio Website *Astro, TypeScript*

[github.com/Daverhan/david-silva-portfolio](https://github.com/Daverhan/david-silva-portfolio)

- Leveraged Astro's Static-Site Generation (SSG) to ensure a fast and responsive user experience
- Deployed using Vercel, implementing CI/CD pipelines to automate builds and deployments

### Practice Management App *C#, .NET MAUI*

[github.com/Daverhan/practice-management-app](https://github.com/Daverhan/practice-management-app)

- Developed a cross-platform application featuring an admin portal to streamline operations for businesses
- Implemented an ASP.NET Core Web API to handle backend operations

## AWARDS

### CyberCorps®: Scholarship for Service

National Science Foundation Scholarship for Service Recipient

Florida State University

August 2023 - May 2025

### President's List

Maintained a 4.0 GPA during an Academic Semester

Florida State University

Fall 2022, Spring 2023, Summer 2023, Fall 2023

## ACTIVITIES

### FSU Marching Chiefs

Marched Euphonium

Florida State University

Fall 2022, Fall 2023

### ACM Chapter @ FSU

Attended General Body Meetings and Programming Contest

Florida State University

Spring 2023, Fall 2023, Spring 2024

### 2023 ICPC Southeast USA Regional Programming Contest

Competed in the 2023 ICPC Southeast USA Regional Programming Contest

Florida State University

Spring 2024