

ABIGAIL THOMAS

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EDUCATION

Florida Southern College | Fall 2023 - Spring 2027

BS in Computer Science - Full Stack Web Development | Minor in Mathematics

- Maintained a Summa Cum Laude (3.94 GPA); Dean's List honoree for entire academic career.
- Chosen by the Head of CS Department for selective faculty-student AI research..
- Serving as President & Founder of the Astronomy Club; active member of the Programming Team & Computer Science Club.
- ICPC 2024 Southeast Regional Contestant; showcasing collaborative programming skills.

PROJECTS

NLP Techniques for Solving NYT Connections | Python, ML, NLP

- Collaborated on a research project applying NLP techniques to analyze and solve *Connections*, a daily word association puzzle by *The New York Times*, to be presented at multiple conferences.
- Developed tools and models to identify thematic groupings of words using semantic similarity.
- Gained hands-on experience with NLP pipelines and machine learning approaches to linguistic pattern recognition.

Movie Catalog | React.js, Firebase

- Built a responsive Movie Catalog web application using React and a third-party API to dynamically fetch and display movie data, implementing features like search, filtering, and interactive UI components.

Astronomy Club Website | Vue.js, Firebase

- Developed the FSC Astronomy Club website using Vue, creating a responsive interface to showcase club events, news, and resources for members.
- Implemented features such as event calendars, photo galleries, and contact forms to enhance member engagement and streamline communication.

Gravity Rift | Godot

- Designed a platformer game in Godot, featuring dynamic gravity mechanics across increasingly challenging gameplay.
- Game of the Year - Second Runner Up & People's Choice Award at Qualcon 2025.

Trekker | HTML, CSS, JS, REST API

- Built an interactive website focused on national parks, integrating the National Park Service API for real-time park data, news, and nearby attractions.
- Enhanced functionality with interactive features, showcasing expertise in front-end web development.

EXPERIENCE

Lifeguard | The YMCA | September 2022 - Present

- Monitored aquatic activities to ensure the safety of all patrons, promptly responding to emergencies.
- Enforced pool rules and regulations to maintain a safe and enjoyable environment for guests.
- Conducted routine inspections of pool facilities and equipment, ensuring cleanliness and operational standards were met.
- Provided exceptional customer service by assisting guests with questions, concerns, and facility information.
- Participated in regular training sessions to maintain certifications and enhance lifesaving skills.

ACHIEVEMENTS & CERTIFICATES

- Stanford Medicine Certificate: AI & ML in Healthcare.
- 2023 Excelsior Award in Mathematics for outstanding achievement in Calculus.
- Earned 2 Bronze Awards in Le Grand Concours (The National French Exam) for language proficiency.

SKILLS

- Programming | Java, Python, Data Structures, Object-Oriented Programming, APIs.
- Web Development | HTML, CSS, JS, Frontend and Backend frameworks, Vue, React.js.
- Tools | VS Code, IntelliJ, Excel, SQLite, NoSQL Databases, Git/GitHub.
- Soft Skills | Problem-solving, teamwork, communication, adaptability, leadership.

EXTRACURRICULARS

- Contributed to community development through 200+ hours of volunteer service with Summer Camps, Vacation Bible School, Orlando Children's Church, Maitland Rotary, and the Coalition for the Homeless, and Parker Street Ministries' Academic Enrichment Program, contributing to student success.
- Attended the Spring 2025 Campus to Careers networking event at JP Morgan Chase.