

Samuel Goodman

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EDUCATION

Bachelor of Science in Computer Science

Jul '24

Florida A&M University | Tallahassee, FL

Related Coursework: Data structures I and II, Program file & data structures, Concepts of advanced application development, Design and analysis of algorithms

KEY SKILLS

Programming Languages: Java, C++, Python, SQL, JavaScript, Unix

Web Development: HTML, CSS, Node.js, Angular, Bootstrap, Firebase

Tools & Frameworks: Visual Studio, Figma, Git, Docker, Tensorflow

Databases: SQL-based systems, Firebase

Software Development: Object-Oriented Programming, Object-Oriented Design, API Handling, UX/UI Design, Software Testing

Design & Multimedia: Adobe Photoshop, Adobe After Effects

PROJECTS

Hotel Booking Web Application

Role: Lead Developer

Technologies Used: JavaScript, HTML, Firebase, CSS

- Developed a hotel booking application facilitating room reservations and payments
- Integrated real-time database updates via Firebase to enhance user booking experience
- Achievements: Reduced booking process time by 30%, increasing user satisfaction and bookings

FENDER Application

Role: Developer

Technologies Used: Java, HTML, Figma, CSS

- Designed a social connection platform to improve student engagement
- Implemented a swipe interface and profile matching feature for users to connect based on shared interests
- Achievements: Enhanced user interaction by 25% within the first month of launch

"Connect Ability" Web Application

Role: Scrum Master

Technologies Used: HTML, JavaScript, Firebase, CSS

- Led a team to develop a web application that aids individuals with disabilities in networking
- Focused on accessible design and real-time data updates
- Achievements: Successfully created an inclusive platform that allowed users to make connections

Robot Class Implementation in C++

Role: Developer

Technologies Used: C++

- Engineered a robust robot simulation to navigate a grid
- Implemented advanced algorithms for movement and error handling

- Achievements: Significantly optimized movement efficiency and validated various scenarios through thorough testing

PROFESSIONAL EXPERIENCE

Mobile Data Analyzer (IT) May '23 - Jun '23

SpectrumX

Role: IT Analyst

Technologies Used: Python

- Utilized data analytics software to **optimize network performance** & enhance connectivity across Tallahassee
- Enhanced campus IT infrastructure planning by leveraging data visualization software, leading to **improved efficiency**
- Boosted network planning efficiency by **20%** through workflow optimization using **data analysis tools**

Forensic Data Analyzer Aug '22 - May '23

Florida A&M University

Role: Cybersecurity Analyst

- Employed Python scripts to investigate & identify patterns in fraudulent activities within **thousands of phone records**, enriching data scrutiny & revealing key insights
- Played a pivotal role in developing & implementing security enhancement strategies, leading to a **15% improvement in system resilience**, utilizing intrusion detection systems
- Played a crucial role in driving a **15% reduction in security incidents** through the implementation of updated protocols

CAMPUS AFFILIATIONS

FAMU-FSU NSBE May '23 - Present

Role: Member

- Participated in events and workshops aimed at promoting engineering and technology fields among students.
- Collaborated on projects and initiatives to support the community.

Big Brother Little Brother Mentoring Program, Inc. Aug '21 - Present

Role: Mentor

- Provided guidance and support to younger students.
- Organized and led workshops on academic and personal development.