Brandon Spangler

407-342-2025 | brandons0207@gmail.com | brandonspangler.com | LinkedIn | GitHub | Orlando, FL

Education
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University of Central Florida   Orlando, FL

Bachelor of Science in Computer Science & Mathematics Minor   Fall 2019 – May 2023

- Cumulative GPA: 3.96
- Coursework in data structures, algorithms, artificial intelligence, databases, and problem solving
- Use of common programming languages (C, Java, Python, HTML, CSS, Php, JavaScript)
- Higher-level mathematics in calculus, differential equations, linear algebra, and graph theory

Work Experience
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Department of Defense: The Navy   Orlando, FL
Systems Engineer   July 2023 – Present
- Supported DOD acquisition as a technical advisor to system design
- Identified and manage risks and creation of test procedures
- Adhere to specific project schedules, deadlines, and goals to fulfill expectations
- Participate in regular team meetings and cross-functional work
- Collaborate with engineers and programmers to develop test plans and system integration
- Test and debug software programs throughout development
- Use common programing languages including C++ and python
- Software development in Linux and Windows environments
- Developed tools to automate project related tasks

Kellogg Supply Company (KSC, LLC)   Phoenix, AZ
Warehouse Management System Intern   April 2022 - July 2022
- Supported WMS implementation project through requirements, design, development, and configuration
- Participated in integration meetings with technical teams to help determine specifications relative to integration mapping and system configuration
- Supported training, testing, and "go-live"
- Participated in on-site implementation to ensure delivery of business requirements.
- Trained and mentored team associates on solutions and best practice in support of implementations and continuous improvement
- Helped define, monitor, and analyze WMS Key Performance Indicators (KPIs)

Projects

Lockheed Martin Visual Inspection and Deep Learning

- Drone simulation using transformer AI models for visual question and answer
- Python GUI application linking simulation and models
- **Technologies**: Unreal Engine, Microsoft AirSim, Python, Transformer Model, GitHub
- **Skills**: Agile Structure, Jira, Git, Visual Studio

PhotoCode: iPhone and Web Application

- Account based file repository system with Google Vision ML Kit for image-to-text
- **Technologies**: React, React Native, MongoDB, Express, Node.js
- **Skills**: Agile Structure, Small team dynamics, Jira, GitHub, Design, User Experience

Goatify: Online Web-based Music Player

- Online music player with account. Songs are added to playlists then played in custom player
- **Technologies**: HTML, CSS, JavaScript, PHP, SQL, PhpMyAdmin, GitHub
- **Skills**: Team Dynamics, Time Management, Documentation

EVI: Student Event Tracker and Calendar

- Event tracker with student and admin accounts. Current events pulled off UCF's website
- **Technologies**: HTML, CSS, JavaScript, PHP, SQL, PhpMyAdmin, JSON, GitHub
- **Skills**: Team Dynamics, Strong focus on relational properties of SQL

Hard Skills

- Common Programing Languages
- Operating Systems (Linux, Windows)
- Software Development
- Agile and Technical Writing

Soft Skills

- Problem Solving
- Communication
- Attention to detail
- Teamwork and Adaptability

Activities

Undergraduate Teaching Assistant (University of Central Florida)   Fall 2021 – Spring 2022

- Held office hours for Computer Science I
- Graded Calculus II and Matrices & Linear Algebra
- Additional duties as assigned by instructor

Orlando Area Rowing Society (OARS)   Fall 2016 – Spring 2019

- Team and collaborative environment
- Highly demanding schedule