Brandon Spangler

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Education

University of Central Florida
Orlando, FL

BS in Computer Science & Mathematics Minor
Fall 2019 – May 2023

- Cumulative GPA: 3.96
- Coursework in data structures, algorithms, artificial intelligence, databases, and problem solving
- Higher-level mathematics in calculus, introduction into differential equations, linear algebra, and graph theory

Work Experience

Department of Defense Navy
Orlando, FL

Systems Engineer
July 2023 – Present

- Maintained and developed applications by application design, installation, and modification
- Created of test procedures based on stakeholders requirements
- Adhere to specific project schedules, deadlines, and goals to fulfill expectations
- Participate in regular team meetings and cross-functional work to develop and implement execution strategies. Successful collaboration with senior engineers
- Test and debug software programs throughout development
- Developed with programing languages such as C, C++, C#, .Net, Python, SQL, Rust
- Configuration management with git, GitHub, and GitLab
- Created development containers in Docker to assist with development and concurrent testing
- Developed tools to automate project related tasks

Kellogg Supply Company (KSC, LLC)
Phoenix, AZ

Warehouse Management System Intern
April 2022 - July 2022

- Supporting WMS implementation projects through requirements, design, development, and configuration
- Participate in integration meetings with technical teams to help determine specifications relative to integration mapping and system configuration
- Supporting training, testing, and "go-live"
- Participate in on-site implementation to ensure delivery of business requirements.
- Train and mentor team associates on solutions and best practice in support of implementations and continuous improvement
- Help 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, Business like team structure

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)   Windermere, FL (Fall 2016 – Spring 2019)

- Team and collaborative environment
- Highly demanding schedule