# Brandon Spangler

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## Education _____

### University of Central Florida
Orlando, FL

BS in Computer Science & Mathematics Minor                  Fall 2019 - Current

- Cumulative GPA: 3.96
- Coursework in data structures, algorithms, artificial intelligence, databases, and problem solving
- Expected Graduation May 2023
- Higher-level mathematics in calculus, introduction into differential equations, linear algebra, and graph theory

### Windermere Preparatory School
Windermere, FL

- High School Diploma
- Graduated Summa Cum Laude

## Work Experience _____

### 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)

### University of Central Florida
Orlando, FL

Undergraduate Learning/Teaching Assistant                  Fall 2021 – Spring 2022

- Held office hours for Computer Science I
- Graded Calculus II and Matrices & Linear Algebra
- Support students with verbal and written feedback
- Additional duties as assigned by instructor

## Projects _____

## Lockheed Martian 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

## Goatify: Online Web-based Music Player

- Online music player to create an account and playlists. Songs can be searched for the database and added to the playlist and then player in the music player.
- **Technologies**: HTML, CSS, JavaScript, PHP, SQL, PhpMyAdmin, GitHub
- **Skills**: Team Dynamics, Time Management, Documentation

## EVI: Student Event Tracker and Calendar

- Event tracker that creates student and admin accounts. Events can be accessed by students in the calendar view or create by admins. Also, an event feed for UCF is pulled from their website.
- **Technologies**: HTML, CSS, JavaScript, PHP, SQL, PhpMyAdmin, JSON, GitHub
- **Skills**: Team Dynamics, Strong focus on relational properties of SQL

## PhotoCode: IOS 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

## Portfolio Website

- Personal portfolio showcasing projects and resume. Coded from scratch
- **Technologies**: HTML, CSS, JavaScript, BlueHost
- **Skills**: Design, User Experience

# Activities _____

## Orlando Area Rowing Society (OARS)          Windermere, FL (Fall 2016 – Spring 2019)

- Team and collaborative environment
- Highly demanding schedule