Brandon Spangler

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Address: Orlando, FL

EDUCATION   **University of Central Florida (Fall 2019 – present)**

- Bachelor of Science Degree
- Major: Computer Science
  - Coursework in data structures, algorithms, artificial intelligence, databases, and problem solving
- Minor: Mathematics
  - Higher-level mathematics in calculus, introduction into differential equations, linear algebra, and graph theory
- Current cumulative GPA: 3.9
- Expected Graduation: Spring 2023

EXPERIENCE   **Undergraduate Learning Assistant, University of Central Florida (Spring 2022 – present)**

- Supported Computer Science 1
- Hold office hours multiple times each week
- Support students through guiding them and immediate feedback
- Direct interaction with students

Undergraduate Teaching Assistant, University of Central Florida (Fall 2021 – present)

- Graded Calculus II and Matrices & Linear Algebra
- Managed Deadlines
- Support Students by providing written and indirect feedback
- Additional duties as assigned by instructor

ADDITIONAL CODING EXPERIENCE

Classroom Projects

- Web-based Music Player and Calendar
  - Coded in SQL, HTML, CSS, JavaScript
  - Used GitHub for version control
  - Hosted on BlueHost
- High level Artificial Intelligence Models in Python
  - Linear and Logistic Regression, Convolution and Recurrent Neural Networks, Reinforcement Learning
- Sorting – Quicksort, Merge Sort, $O(n^2)$ algorithms in C and Java
- Data Structures – Trees, Linked Lists, Skiplists in C or Java

Personal Projects

- **IOS App "PhotoCode"**
  - Take pictures of code and tells user the output of code
  - Worked in a two-person team using GitHub for version control

ACTIVITIES   **Rowing (Fall 2016 – Spring 2019)**

- Team and collaborative environment
- Highly demanding schedule

AWARDS   **Presidential Honor Roll (Spring 2020, Fall 2020 – Summer 2021)**

- Maintained a 4.0 for the semester

Dean's List (Fall 2019 & Summer 2020)

- Maintained a GPA of 3.5 or higher for the semester

Florida Bright Futures Academic Scholarship (Fall 2019 – present)