

ANDREW SANDELL

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Education

University of Florida

- Bachelor of Science, Computer Science
- Bachelor of Arts, Economics
- GPA: 3.70

Gainesville, FL

Graduating May 2022

Relevant Coursework

- Programming Fundamentals 1 & 2
- Data Structures and Algorithms
- Introduction to Computer Organization
- Info and Database Systems 1
- Engineering Statistics
- Principles of Microeconomics & Macroeconomics
- Intermediate Microeconomics & Macroeconomics
- Competition in Healthcare Markets
- Economic Geography

Technical Skills

Programming Languages: Development Software:

- | | |
|--------------|---------------------------|
| ➤ C++ | ➤ Microsoft Visual Studio |
| ➤ Java | ➤ PyCharm |
| ➤ Python | ➤ CLion |
| ➤ C# | ➤ IntelliJ |
| ➤ R | ➤ Eclipse |
| ➤ JavaScript | ➤ Rstudio |
| ➤ HTML | ➤ Unity |
| ➤ CSS | ➤ Brackets |
| ➤ PHP | ➤ Jupyter Notebooks |
| ➤ MySQL | ➤ Text Editor |

Projects

Hippo-Spotamus | Python, Tkinter, and Spotify Web API

December 2020

- Spotify Playlist Generator drawing from Spotify data set of ~170,000 songs to produce playlist similar to a given input. Playlists are generated using min-heap and weighted graph traversals.

Orebit | C#, Unity

February 2020

- Top-down scroller/shooter game developed with team during 48-hour Global Game Jam event.

Binary File I/O Image Processing and Manipulation | C++

March 2020

- Program that reads in a binary file and translates it to pixels. Processed images can be multiplied, overlayed, subtracted, and blended to create a .tga image output.

Minesweeper | C++, SFML Library

April 2020

- Recreation of classic game from ground-up. GUI created by accessing sprites and textures from the SFML library.

Adjacency List PageRank | C++

November 2020

- PageRank program that calculates relative PageRank scores and performs power iterations through extensive matrix multiplication using the adjacency list data structure.

Involvement

UF College of Liberal Arts and Sciences | Student Mentor

August 2020 – Present

- Lead weekly meetings with mentee to provide academic advising, community connections for Graduate School applications, service opportunities, and other guidance.

UF BCM | Core-Team Member and On-Campus Discussion Leader

August 2019 – May 2020

- Oversaw theological discussions during weekly meetings of 10-20 attendees
- Hosted weekly on-campus events (i.e., game nights) involving 30+ attendees.

UF Honors Program | University Admissions Board Member

August 2018 – January 2019

- Served on the board for the admissions of Class of 2023 students. Chosen due to own exemplary essay that was later showcased as a template for future essays.
- Reviewed and graded ~900 student essays and determined their admission into the UF Honors Program.