

# Dylan J Vidal

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## 🎓 EDUCATION

### University of Central Florida

*Bachelor's Degree in Computer Science*

Aug 2023 – May 2027  
Orlando, Florida

- Activities: Burnett Honors College, Competitive Programming Team, KnightHacks Software Development Club
- GPA: 4.0

### Broward College

*Associate of Arts in Computer Science*

Aug 2020 – May 2023  
Davie, Florida

- Activities: Bob Elmore Honors College, inTech
- GPA: 4.0

### College Academy at Broward College

*High School Diploma (Computer Science Focused)*

Aug 2021 – May 2023  
Davie, Florida

- Activities: National Honors Society Historian, D&D Committee Founder
- GPA: 4.0

## </> PROJECTS

### Project Wildspace | Python, Qt Creator, LangChain, Inno Installer 🔗

Oct 2023 – Present

*KnightHacks 2023 Hackathon - University of Central Florida*

- Directed a team of 2 developers in assembling of a Generative AI tool produced to assist in fictional worldbuilding.
- Constructed the UI using the Qt Creator GUI library, and implemented AI functionality using LangChain and GPT-3.5, utilizing OOP practices.
- Designed a landing page website demoing the project and hosting the download for public access to the D&D community, accumulating over 50 active users in the first week of deployment post-hackathon with plans for continuous updates.

### UCF Campus Events Discord Bot | Python, Nextcord, Selenium 🔗

Oct 2023 – Present

*Personal Project*

- Created a Discord Bot using Python that executes a daily web-scraping process of the Campus Event Board website using Selenium and embeds the events in a designated channel.
- Deployed to an official campus discord server with 1000+ members interacting with the bot and hosted on a Raspberry Pi to ensure 24-hour uptime.

### Dungeons and Dragons NPC Generator | Python, Tkinter 🔗

Sep 2023 – Sep 2023

*ShellHacks 2023 Hackathon - Florida International University*

- Developed an innovative Dungeons and Dragons character generation application utilizing a predefined set of attributes, streamlining in-game character creation process and enhancing player immersion.

### Wordle Replica | C++, Qt Creator 🔗

Aug 2023 – Sep 2023

*Personal Project*

- Recreated the Wordle game from The New York Times using a Qt Creator Graphical User Interface.
- Implemented object-oriented programming practices, resulting in a reduction of software bugs and increased overall system stability and performance.

## 📁 EXPERIENCE

### Lead Volunteer | Broward Health Medical Center

Jun 2021 – Aug 2022  
Fort Lauderdale, Florida

- Overhauled the hospital-wide phone systems in a full-scale hardware update as instructed by the I.T. department, including distribution and installation of over 250 network phones.
- Provided training for over 20 new student volunteers at orientation and heightened their involvement and efficiency as volunteers.
- Guided guests throughout the hospital and distributed food to patients while working in the Guest Services Department

## { } SKILLS

- Programming Languages: Python, C++, C, Bash, HTML, CSS, JavaScript
- Libraries/Frameworks: Qt, LangChain, Pyside6, Selenium, Nextcord, Tkinter, Pygame, openpyxl, pandas
- Tools/Platforms: Qt Creator, Github, Inno Installer, Raspberry Pi, VSCode, Code::Blocks