

William Hottenstein

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<https://github.com/MysticDwat>

2255 Crippen Court Apt 54, Melbourne, FL 32904

Education

Florida Institute of Technology, Melbourne, FL

December 2022 Bachelor of Science in Computer Science GPA 3.59

Skills

HTML, CSS, Java Script, MERN Stack, Databases, SQL, MongoDB, Python, VPython, Python Socket, Jupyter Notebook and Lab, Java, C, OpenMP, MPI, C#, C++, Assembly, Ada, Fortran, Kotlin, Haskell, Linux, Software Engineering, Testing, Debugging, Analysis of Algorithms, AWS, MS Office, Willing to Learn

Experience

Florida Institute of Technology, Melbourne, FL Aug 2019 - present

Web Application Programmer

- Programmed web applications using HTML, CSS, JS, and the MERN stack.
- Learned how to serve a web application on the front and back ends.

Database Programmer

- Worked with SQL and NoSQL languages.
- Created several ER Databases to model banks and airlines.
- Learned how to structure databases.

Python Programmer

- Programmed multiple python projects that covered a varied number of concepts, such as text processing, data processing, and web scraping.
- Learned how to look for necessary libraries and functions to complete a task.

Computer Graphics Programmer

- Programmed multiple python projects focused on computer graphics.
- Learned how to manipulate images (affine transformations, face morphing, etc) and how to do computer simulations (pedestrian, kinematic, and inverse kinematic simulations).

Parallel Processing Programmer

- Learned how to program parallel algorithms through OpenMP and MPI.
- Completed a group project and report on parallelizing BFS and Floyd-Warshall algorithms and analyzing their performance given varying threads and graph sizes.

Software Engineer Project

- Worked as a part of a team to complete various issues on an open-source Discord Bot.
- Learned how to read, test, and debug another person's code while adding new features.
- Added a feature that let the bot store user information, such as when a user joined, and then returned that information when given a command.
- Expanded an existing command's functionality by accepting multiple arguments through altering how the command parsed arguments.

Freelance Developer, Remote Jun 2022 – present

Application Programmer

- Programmed an application prototype using React, HTML, and CSS.
- Served to mysticdwat.github.io/CrazyDates using GitHub Pages.

The Rathskeller, Melbourne, FL Feb 2020 –Feb 2021

Delivery Staff

- Organized orders to to best use limited delivery space and time.
- Communicated with the client to understand what they wanted and to resolve any issues they may have.

Panera, Lithia, FL May 2021 –Aug 2021

Line Staff

- Communication and teamwork under high-stress situations.
- Prioritized tasks based on various factors, such as time, availability, and resources.

Honors

- Panther Distinguished Scholar

Co-curricular Activities

- Anime Club - Librarian & President