

David DeCorso

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EDUCATION:

University of Central Florida, Orlando, FL

2018-2022

Computer Science

GPA: 3.77

Dean's List (2018 - Present)

Coursework:

- Computer Science I & II
 - Object Oriented Programming
 - Discrete Structures I & II
 - Systems Software
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SKILLS:

- Experience in C, Java, and JavaScript
 - Concurrent/multicore programming
 - HTML/CSS/Web design
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EXPERIENCE:

UCF AREA 67 Research Lab

Undergraduate Researcher

Oct. 2019 – Present

- Fixed bugs in synthetic concurrent data structure benchmarking software written in C.
- Implemented high performance concurrent data structures and operations from novel research papers.
- Worked with C/Java concurrent programming libraries

Peter & Julie Cummings Library

Jul. 2013 – Apr. 2017

Volunteer

- Authored and led classes to help promote computer literacy.
 - Helped patrons and staff with technological problems.
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PROJECTS:

Plugin Development - *Java, Git*

- Used the Spigot API to develop and maintain plugins for a Minecraft server with thousands of unique players:
 - [BuyAndSell plugin](#): lets users buy and sell items within a virtual economy.
 - [DiamondNotifier](#) plugin: notifies server staff when a certain material is obtained on the server.
 - Calc plugin: Parses and calculates a string of user input.
- Used Git to facilitate collaboration and version control for a large codebase.

[Influence Game](#) (in progress) - *JavaScript, HTML5*

- Multiplayer online turn-based strategy video game written in JavaScript.
 - 4X style game with territory, combat, economy, and resource management systems.
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ACHIEVEMENTS:

- National Merit Commendation Status
 - UCF EXCEL student
 - Bright Futures Florida Academic Scholar
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INTERESTS: Video games, tennis, classical guitar, photography.