Jaden Simmons

Lake Mary, FL ● U.S. Citizen
Phone: (321) 230-2932, Email: jaden_simmons.dev@outlook.com
LinkedIn: www.linkedin.com/in/jaden-simmons-32a682233 GitHub: https://github.com/jadensimmons18

Education

University of Central Florida

Bachelor of Science in Computer Science   *Expected Graduation: May 2027*

- **Relevant Coursework**: Data Structures, Computer Architecture, Algorithms, Software Engineering

Technical Skills

- **Languages**: Python, C, Java
- **Tools**: Linux/Unix, Git, GitHub
- **Concepts**: Data Structures & Algorithms

Projects

Custom Virtual Machine & Language Parser   *2025*

Tech: C, Lexical Analysis, Tokenization, Parsing, Recursive-Descent Parsing, Data Structures, Regular Expressions

- Built a full compiler pipeline including a lexical analyzer, recursive-descent parser, and custom code generator for a small programming language.
- Designed a stack-based virtual machine with a 20+ instruction architecture supporting arithmetic, branching, and memory operations.
- Implemented runtime state management (program counter, operand stack, variable storage) and added syntax + runtime error handling.
- **GitHub**: https://github.com/jadensimmons18/Custom-Virtual-Machine-Language-Parser

Bubble Sort Algorithm Visualizer   *2025*

Tech: Python, Tkinter, OOP, Event-Driven Programming, Git

- Developed an interactive desktop GUI that visualizes the bubble sort algorithm by animating each comparison and swap in real time using Tkinter's event loop.
- Organized the application into modular classes for UI controls, sorting logic, and animation management to make the system easy to extend to other algorithms.
- **GitHub**: https://github.com/jadensimmons18/Bubble-Sort-Algorithm-Visualizer

Experience

Chipotle Orlando, FL

Crew Member   *May 15, 2024 – Present*

- Prepared and served food efficiently while maintaining quality and safety standards in a fast-paced environment.
- Provided friendly and responsive customer service, ensuring a positive dining experience.
- Developed multitasking and teamwork skills under high-volume conditions.

Kohl's Oviedo, FL

Cashier   *October 22, 2022 – January 5, 2023*

- Processed transactions accurately and efficiently, handling returns and discounts in accordance with store policies.
- Delivered excellent customer service by addressing inquiries and resolving issues promptly.
- Recognized by management for reliability and strong work ethic during peak holiday seasons.

Fun Spot America Theme Park Orlando, FL

Ride Attendant   *January 15, 2023 – August 12, 2023*

- Operated rides and enforced safety procedures to ensure guest safety and satisfaction.
- Communicated effectively with guests and staff to maintain smooth daily operations.
- Promoted a fun, engaging environment through proactive guest interaction and assistance.