

# Andrew Kelton

Computer Science Student

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## EDUCATION

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**University of Central Florida | Orlando, FL**

**B.S. in Computer Science | GPA: 3.6/4.0**

**December 2026**

**Relevant Courses:** Calculus I & II, Computer Science I & II, Computer Logic & Organization, Security in Computing, Object Oriented Programming, Systems Software, Intro to Discrete Structures, Intro to Programming with C, Technical Presentations, Writing for Technical Profession, Computer Science Foundation Exam

**Florida Southwestern State College | Fort Myers, FL**

**High School Diploma | GPA: 3.75/4.0**

**April 2023**

**Relevant Courses:** Intro to Computer Programming, Codecademy

## TECHNICAL SKILLS

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**Programming Languages:** Python (Advanced), C (Advanced), Java (Intermediate), Golang (Intermediate), JavaScript (Intermediate), SQL (Intermediate), Shell Scripting (Intermediate)

**Frameworks:** ReactJS, Flask, Django

**Operating Systems:** Unix (MacOS), Windows 10, Linux

**Knowledge:** Git, Microsoft365, Modeling and Simulation, API Usage/Development, Machine Learning, Database Management, Data Analysis, Computer/Algorithm Architecture, Test Development

## PROJECTS

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**MLB Game Predictor | Personal Project (currently unavailable on GitHub)**

**June 2024 - Present**

- Created a web application with a modular Python, C, and SQL based backend/API, using the Flask framework to communicate between the server and client-side. Client-side uses JavaScript with the ReactJS framework
- Incorporated a machine learning algorithm in C, querying the results in the SQL database and posting the results to X (Twitter)
- Used APIs including *mlbstatsapi* and *The X API*

**Virtual Machine | Class Project (unavailable on GitHub)**

**September 2024**

- Collaborated with a team of 3 and developed a fully functional virtual machine using modular C

**Home Website | Personal Project**

**February 2024**

- Created a website using Golang, Python, HTML, and SQL
- Created a login system for users to create accounts and navigate the website, also incorporated a *CAPTCHA*

**File System Simulator | Personal Project**

**May 2024**

- Created a command line file system simulator in C
- Implemented commands users can input and parses the input, checking validity and running the specified task
- Incorporated advanced data structures such as tries, hash tables, binary search trees, general trees of hash tables, and linked lists

## INTERESTS

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Computer Vision, Remote Sensing, Artificial Intelligence, Deep Learning, Machine Learning

## LANGUAGES

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**English**

- **Speaking Proficiency:** fluent
- **Reading Proficiency:** fluent
- **Writing Proficiency:** fluent

**Spanish**

- **Speaking Proficiency:** intermediate
- **Reading Proficiency:** intermediate
- **Writing Proficiency:** intermediate