Andrew Kelton

Computer Science Student

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EDUCATION

University of Central Florida | Orlando, FL

B.S. in Computer Science | **GPA:** 3.61/4.0   **December 2026**

Relevant Courses: Engineering Applications of Intelligent Systems, Concepts of Parallel and Distributed Processing, Computer Science I & II, Systems Software, Computer Logic & Organization, Security in Computing, Object Oriented Programming, Calculus I & II, Intro to Discrete Structures, Statistical Methods I, 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

Programming Languages: Python (Advanced), C (Advanced), C++ (Intermediate), Java (Intermediate), Golang (Beginner-Intermediate), JavaScript (Beginner), SQL (Beginner-Intermediate), Shell Scripting (Intermediate), HTML (Intermediate)

Frameworks: React.js, Flask, Django

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

Knowledge: Git, Microsoft365, Modeling and Simulation, API Usage/Development, AI/Machine Learning, Database Management, Data Analysis, Computer/Algorithm Architecture, Test Development, Discrete Mathematics, Testing (Shell, Makefile)

PROJECTS

MLB Game Predictor | **Personal Project**   **August 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 React.js framework
- Incorporated a machine learning algorithm in C, querying the results in the SQL database and posting the results to X (Twitter)
- Predicts MLB game outcomes and 1st inning over/under 0.5 runs with 70-80% accuracy.
- 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 and Makefiles

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

PROFESSIONAL INTERESTS

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

LANGUAGES

- **English** (fluent)
- **Spanish** (limited working proficiency)