Andrew Kelton

Computer Science Student
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EDUCATION

University of Central Florida | Orlando, FL **December 2026**
B.S. Computer Science | GPA: 3.61/4.0
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

Florida Southwestern State College | Fort Myers, FL **April 2023**
High School Diploma | GPA: 3.75/4.0
Relevant Courses: Intro to Computer Programming

TECHNICAL SKILLS

Programming Languages: Python (Advanced), C/C++ (Advanced), Java (Intermediate), SQL (Intermediate), Golang (Beginner), JavaScript (Beginner), Bash (Intermediate), HTML (Intermediate)

Frameworks: React.js, Flask, Django, Tkinter

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

Knowledge: Git, Microsoft365, Modeling and Simulation, API Usage/Development, AI/Machine Learning (scikit-learn, pytorch), Database Management, Data Analysis, Computer/Algorithm Architecture, Test Development, Discrete Mathematics, Multithreading/Concurrency

PROJECTS

MLB Game Predictor | Personal Project **August 2024 - Present**
- Created a web application with Python, C, and SQL based backend/API, using the Flask framework to communicate between the server and client-side. Client-side utilizes JavaScript with the React.js framework.
- Incorporated a decision tree 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.

Parallel TF–IDF Classifier in C++ | Personal/Solo Class Project **January 2025 - April 2025**
- Designed and implemented a text classifier using TF-IDF and cosine similarity utilizing multithreading in C++.
- Implemented sequential and parallel implementations to test and compare performance (speed) and classification accuracy/ precision.
- Created Makefile, Bash, and Python scripts to test and compare benchmarks.
- Reported findings in an IEEE report and gave a class presentation for Concepts of Parallel and Distributed Processing.

Portfolio Website | Personal/Solo Class Project **September 2024 - Present**
- Created a portfolio website using HTML and JavaScript to showcase my skills

Virtual Machine | Group Project (unavailable on GitHub) **September 2024**
- Collaborated with a team of 3 and developed a fully functional virtual machine and compiler for SPL using C and assembly.
- Coordinated tasks, team meetings, and ensured effective communication to meet project deadlines.
- Received 100% on each project submission.