Andrew Kelton

Computer Science Student
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EDUCATION

University of Central Florida | Orlando, FL **December 2026**
B.S. in 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, Computer Science Foundation Exam

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 (Advanced), C++ (Intermediate), Java (Intermediate), Golang (Beginner), JavaScript (Beginner), SQL (Beginner), Bash (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.

Parallel TF–IDF Classifier in C++ | Personal/Class Project **January 2025-April 2025**
- Created a multithreaded implementation in C++ of the Term Frequency–Inverse Document Frequency vectorization algorithm, that classifies a corpus of documents.
- Created sequential and parallel functions to test and compare the benchmarks: performance (speed), classification accuracy and classification precision.
- Created a Makefile and multiple Bash and Python scripts to test, compare, and output test benchmark.
- Reported findings in an IEEE report and gave a class presentation for Concepts of Parallel and Distributed Processing.

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.
- Implemented a *CAPTCHA* with Python.

PROFESSIONAL INTERESTS

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

LANGUAGES

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