Christopher Williams

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EDUCATION

University of Florida Gainesville, FL
Bachelor of Science in Computer Science *Jun. 2022 – Dec. 2026*
- Relevant Coursework: Operating Systems, Data Structures and Algorithms

EXPERIENCE

Oracle May 2025 – August 2025
Software Engineering Intern *Austin, TX*
- Completed development tickets spanning both front-end and back-end systems, enhancing product functionality by delivering new filtering and sorting capabilities for key user workflows.
- Investigated and resolved backend defects by tracing data flows and debugging system logic, stabilizing features and reducing recurring errors.
- Gained an advanced understanding of Docker and virtual machine usage by configuring internal development environments and troubleshooting cross-system issues.
- Collaborated with engineers through code reviews, daily stand-ups, and documentation updates, contributing to agile development workflows.

PROJECTS

ProfQuest | *MERN Stack (MongoDB, Express, React, Node.js),* Sep. 2024 – Jan. 2025
- Launched an innovative professor leaderboard platform, increasing user efficiency by 70% for finding top-rated professors.
- Automated data scraping of professor ratings from RateMyProfessors using Puppeteer, dynamically storing 100+ profiles across key departments in MongoDB.
- Created a responsive React frontend that sped up search functionality by 50%, improving overall user experience.
- Implemented Axios and RESTful API for real-time data updates, achieving 95% faster data fetching between frontend and backend.

Harmony Hub | *Python, React, Spotify API, Web Services* Mar. 2024 – May 2024
- Developed a dynamic playlist recommendation system using React for the frontend and Python with Flask for the backend.
- Optimized system performance with efficient algorithms in Python, using machine learning models to enhance user experience.
- Integrated web services and Spotify API for real-time playlist updates, improving playlist generation speed by 20%.

Gator AVL Tree | *C++* Jan. 2024 – Feb. 2024
- Engineered a Gator AVL tree in C++, enhancing data retrieval and processing speed.
- Applied rotation algorithms for tree balance, improving computational efficiency.
- Implemented ID-based comparisons, increasing the tree's robustness and response time.

EXTRACURRICULAR INVOLVEMENT

Kappa Alpha Psi Fraternity, Inc. Mar. 2025 – Present
Strategus *Gainesville, FL*
- Implemented a digital tracking system to monitor attendance and participation for 25+ members, improving efficiency by 50%.
- Streamlined the event approval process with email-based validation, improving reporting accuracy by 40% and ensuring compliance with chapter participation requirements.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL, React
Operating Systems: Linux, Windows
Skills: Web Services, API Integration, Algorithms & Data Structures, Integration Testing, Agile Development, Debugging
Development Tools: Docker, Git, VS Code, Virtual Machines, Jira, Confluence