

Jake Wright

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OBJECTIVE

A highly motivated Computer Science major looking for an opportunity to gain hands-on experience in a fast-paced and growing industry.

EDUCATION

University of Central Florida
Bachelor of Science in Computer Science

Aug. 2022 – May 2026
Orlando, FL

EXPERIENCE

Wabtec Corporation

Software Engineer Intern

May 2025 – Present

- Collaborated cross-functionally to work on and validate multiple defects with thousands of cumulative line changes
- Worked on multiple software changes on production code that got thoroughly tested and reviewed
- Researched and presented AI best practices to boost productivity during the software development cycle

Systems and Software Engineer Intern

May 2024 – July 2024

- Collaborated cross-functionally to manage thousands of system functional requirements
- Created two detailed software design documents for various subsystems
- Created, analyzed, and filtered through large data matrices exceeding 20,000 data points in Microsoft Excel

Northrop Grumman

Software Engineer Intern

May 2023 – July 2023

- Automated and optimized secure file transfer over serial with PowerShell
- Created and updated documentation for procedures and code base
- Acquired and maintained a DoD Secret security clearance

Code Ninjas

Coding Instructor

Feb. 2021 – July 2022

- Taught fundamentals of programming and computer skills to children ages 5-14
- Lead multiple instructional camps over summer that covered a variety of programming applications
- Created and maintained a fun and inviting learning environment

PROJECTS

IEEE Guitar Hero Software Lead | C++, Agile Workflow

Aug. 2024 – Present

- Teach and develop alongside club members to create a multi-effects pedal using a Daisy Seed and an Arduino
- Maintain an Agile methodology to meet deadlines and delegate tasks
- Lead meetings to cover specific topics and goals on a weekly basis

Recipe Manager | MERN Stack, Figma, Google Lighthouse

Sep. 2024 – Nov. 2024

- Planned and helped execute a large project idea with a small development team
- Designed and implemented accessible UI/UX formats and standards
- Implemented CRUD operations for users, user's recipes, and recipe tags
- Developed a mobile application that can interact with the database set up for the website

Contact Manager | LAMP Stack, Figma, Google Lighthouse

Aug. 2024 – Sep. 2024

- Planned and helped execute a small project idea with a small development team
- Designed and implemented accessible UI/UX formats and standards
- Implemented CRUD operations for both the user and the user's contacts

TECHNICAL SKILLS

Proficient: Git, Agile Software Development, DOORS, C++, Java, Python, C, PowerShell, HTML, CSS

Working Towards Proficiency: Real-Time Operating Systems, Javascript

Certifications: Java