

# Jake Wright

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## OBJECTIVE

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A highly motivated Computer Science major looking for an opportunity to gain hands-on experience in C++ software development for production code

**Acquired DOD Secret Security Clearance**

## EDUCATION

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**University of Central Florida**

*Bachelor of Science in Computer Science | GPA: 3.679*

Aug. 2022 – May 2026

Orlando, FL

## EXPERIENCE

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### Wabtec Corporation

*Software Engineer Intern | C++, VectorCast, Waterfall*

May 2025 – Present

- Collaborated cross-functionally to work on and validate multiple defects with thousands of cumulative line changes
- Implemented multiple software enhancements in production code, ensuring each change was rigorously tested and peer-reviewed for quality and reliability
- Presented Artificial Intelligence best practices to boost productivity during the software development cycle

*Systems and Software Engineer Intern | DOORS, Waterfall, Excel*

May 2024 – July 2024

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

### Northrop Grumman

*Software Engineer Intern | SFTP, PowerShell, Scripting, Agile*

May 2023 – July 2023

- Automated and optimized secure file transfer over serial with PowerShell
- Created and updated documentation for procedures and code base

### Code Ninjas

*Coding Instructor | Javascript, C#, Scratch*

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
- Fostered a fun and inviting learning environment

## PROJECTS

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

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

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

**Working Towards Proficiency:** Real-Time Operating Systems, Javascript

**Certifications:** Java