

John Jones

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EDUCATION

Miami University, College of Engineering and Computing | Oxford, OH

Exp. Graduation: December 2027

Bachelor of Science in Electrical Engineering, Computer Science Minor, Honors Program

GPA: 3.63

WORK EXPERIENCE

Siemens Digital Industries Software (DISW) | Milford, OH

Software Development Intern - Core Data Framework (CDF) Team

May 2026 – August 2026

- Contributed to Siemens Teamcenter software core server code, identifying and resolving code defects and developing automated tests (added 80+ tests, identified 3 new defects) to validate fixes and prevent regressions.
- Developed tools, Markdown specifications, and automation scripts to streamline development workflows, improve efficiency, and support software quality.
- Participated across the full software development lifecycle, including requirements, design, implementation, test planning, unit testing, automated testing, and defect resolution.

Miami University | Oxford, OH

Web Accessibility Intern

March 2025 – Present

- Collaborated with cross-functional teams to evaluate applications, websites, and documents for accessibility, contributing to inclusive design and development practices.
- Delivered assistive technology training to students and provided customer service support to faculty, staff, and peers, fostering accessibility and inclusion across campus.

CareSource | Dayton, OH

October 2023 – January 2024

Software Engineering Intern

- Authored and maintained detailed technical documentation for software applications, enhancing knowledge sharing and improving the overall developer experience.
- Worked collaboratively in an Agile environment, supporting sprint planning, participating in code reviews, and contributing to iterative development processes.
- Consistently delivered tasks ahead of schedule, showcasing strong time management, attention to detail, and dedication to achieving project goals.

PROJECTS & AWARDS

1st Place - C# Programming, Ohio BPA State (Won Twice) | Columbus, OH

March 2023 & 2024

- Outperformed 50+ competitors two years in a row to earn top placement in the statewide Business Professionals of America competition.
- Showcased expertise in C# programming, algorithm design, debugging, and efficient software development under timed conditions.

1st Place - Programming and Software Development, Miami Valley Tech Prep Showcase | Dayton, OH

April 2024

- Collaborated with a local business client to gather requirements, align features with operational needs, and provide regular progress updates, applying strong communication and collaboration to ensure the final product matched client expectations.
- Performed as lead frontend developer, creating a responsive, accessible, and modern user interface using programming languages and frameworks, working closely with other team members to integrate with backend systems.

2nd Place - Ohio State MakeOHI/O 2025 - Universal Translator | Columbus, OH

March 2025

- Developed an embedded translation system integrating a camera-based vision pipeline with an Arduino microcontroller to drive real-time hardware output.
- Interfaced and controlled an external LCD over I2C, debugging firmware and device communication to ensure reliable, low-latency system operation.

SKILLS

Technical: Firmware & Embedded Systems, Microcontrollers, Digital Logic Design, Hardware & Software Troubleshooting, Circuit Design & Analysis, PCB Design, Power Systems/Control Systems, Soldering

Tools & Technologies: Autodesk Fusion, KiCad, Altium, LTSpice, Git/GitHub, Linux, VS Code, FPGA, Arduino

Interpersonal: Verbal and Written Communication, Project Management, Cross-functional Collaboration, Adaptability

Programming Languages: C/C++, C#, Java, Python, x86 Assembly, Verilog/SystemVerilog, MATLAB