

# DAVID WHITE

SOFTWARE ENGINEER

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[Email](#) · [LinkedIn](#)

## WORK EXPERIENCE

JUNE 2022 – AUGUST 2022

**DIGITAL INTERN**, TRC COMPANIES

- Developed full-stack general-purpose charting software with a React.js front end
- Designed and implemented a backend with Node.js and PostgreSQL
- Participated in daily standups and other agile practices with a distributed team
- Tracked tasks and progress with Microsoft Azure DevOps
- Conducted automated and manual testing to validate software

JANUARY 2022 – MAY 2022

**UNDERGRADUATE RESEARCH ASSISTANT**, NORTH CAROLINA STATE UNIVERSITY

- Designed and implemented a trace visualization tool for analyzing Chrome stack and trace data
- Built a profiler in WebAssembly using the Emscripten compiler and Node.js
- Displayed data with PixiJS, parsed data with RapidJSON
- Engineered a tool capable of dynamically displaying thousands of data nodes at 30+ frames per second

## EDUCATION

DECEMBER 2023

**B.S. IN COMPUTER SCIENCE**, NORTH CAROLINA STATE UNIVERSITY

- Minor In Mathematics
- 4.0 GPA
- 4x Dean's List
- 3 ½ Year Graduate

MAY 2020

**HIGH SCHOOL DIPLOMA**, CARY ACADEMY

- 12x Headmaster's Honor Roll (Trimester System)
- 12x Effort Honor Roll
- National Merit Scholarship Finalist

## RELEVANT COURSEWORK

- Software Engineering
- Operating Systems
- Data Structures and Algorithms
- C and Software Tools
- Software Development Fundamentals
- Software Engineering – Master's Level \*

## TECHNICAL SKILLS

- Java (Spring, Maven, JUnit), C
- HTML, CSS, JavaScript, React.js, Node.js
- Git, GitHub, Jenkins
- SQL, PostgreSQL, pgAdmin
- Linux, Windows
- Design (UML, Sequence Diagrams, Wireframes)

\* Intended for Fall 2022