Ray Shealy

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• WS: https://rbshealy.github.io • Current Location: Chapel Hill, NC

Technical Skills

Languages: C++, Python, C, Java, JavaScript, React, CSS/HTML, Pug, CoffeeScript, TypeScript, MIPS
Tools: Git, Docker, Fork (Git Client), CLion, Pycharm, IntelliJ, VSCode, GitHub Copilot, JIRA, Fusion 360, Actimize: Fraud Prevention, CUDA Toolkit
Software Development Concepts: Object Oriented Programming, Algorithms, Data Structures, Test Driven Development, Digital Logic, REST API
Other Skills: Code Review, Debugging, GitLab API, ServiceNow API, Hugging Face API, Chrome Extensions, SAFe Agile, Excel, PowerPoint, Word, Dynamics365, Project ARIA glasses

Education

EXPECTED TO GRADUATE DEC. 2025

University of North Carolina at Chapel Hill - Chapel Hill, NC • BS in Computer Science • **GPA 4.0 (as of Aug 2025)**

Relevant Courses: Mentored research in AR/VR, Data Structures, Foundations of Programming, Calculus of Multiple Variables, System Programming Fundamentals, Computer Organization, Models of Languages and Composition, Probability, 2D Computer Graphics, Algorithms and Analysis, Linear Algebra, AI, Machine Learning, Computer Vision

Experience

SUMMER 2025

Software Engineer Intern – Full Time | USAA | Plano, TX

- Consolidated Actimize data mappings into central repository to support cross-team fraud data systems
- Led development of Chrome Extension to inject GitLab repository and tag data into ServiceNow form flows, automating and decreasing time spent manually retrieving information
- Conducted code reviews and used repository management techniques through GitLab, maintaining the codebase
- Delivered adaptive and quick code changes from user feedback by holding daily meetings
- Participated in weekly sprints using the SAFe agile framework, delivering features and stories as a team player through the JIRA platform
- Listed as an inventor on a submitted patent

SPRING 2025

Teaching Assistant for COMP 211: Systems Fundamentals

- Helped grade exams and coding assignments
- Proctored midterm and final exams and held daily office hours

JAN 2022- APRIL 2024

Operations and Sales Specialist – Full Time | Akoustis, Inc. | Huntersville, NC

- Engineered solutions to streamline logistics operations, including inventory tracking and shipment management using data-driven methodologies.
- Implemented systems to monitor and track logistics shipments, ensuring real-time updates and efficiency.
- Facilitated communication for seamless collaboration with Mandarin-speaking customers, bridging gaps between logistics and business needs.

JAN – AUG 2021

Software Engineering Intern – Full Time | Akoustis, Inc. | Huntersville, NC

- Utilized version control systems to manage and implement new features in software, ensuring efficient codebase updates.
- Applied Object-Oriented Programming (OOP) and Data Structure concepts to design scalable and efficient software systems for future enhancements.
- Collaborated with cross-functional teams to identify and resolve software-related challenges.
- Resolved system compatibility issues by leveraging software integration techniques and collaborating with business, operations, and finance teams.