

Ben Cahoon

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EDUCATION

Clemson University

Clemson, SC

Bachelor of Science in Computer Science- 3.47 GPA

Aug. 2023 – May 2027

- Relevant Coursework: Algs/Data Structures, C/C++, Software Dev, Network Programming

EXPERIENCE

Full-Stack Developer - Capstone Program

Feb 2025 – Present

Naval Information Warfare Center - Atlantic, Clemson University

Clemson, SC

- Collaborated with a student team and NIWC employees to design and develop an AI-assisted training platform using Agile processes
- Developing a scalable, serverless backend using AWS Lambda, API Gateway, and TypeScript to create REST APIs for a DynamoDB database
- Created Figma mockup designs and built the user interface with React, TypeScript, and Tailwind CSS
- Implementing a Retrieval-Augmented Generation (RAG) system utilizing AWS Bedrock to provide AI-driven training support

WORK

Publix

May. 2024 – Present

Grocery Clerk (20-35 hrs/week)

Mt. Pleasant, SC – Clemson, SC

- Ensured accuracy and efficiency in managing inventory
- Collaborate with and directed team members, trained new employees

Barnes & Noble

January 2024 – May 2024

Campus Store Team Member (10-15 hrs/week)

Clemson, SC

- Handle transactions while assisting customers with questions
- Manage inventory by restocking and organizing displays

PROJECTS

AI-Powered Browser Extension | React, TypeScript, Tailwind CSS, Vite, AWS, OpenAI

Personal Project

- Developed a Chrome extension using React, TypeScript, and Tailwind CSS for AI-assisted responses.
- Integrated OpenAI API to generate contextual responses, migrating to AWS services for versatility and authentication.

Checkers Game | Java, JUnit

Group Project

- Collaborated with a team to develop a playable Checkers game in Java, following test-driven development practices using JUnit.
- Applied object-oriented design principles, utilizing interfaces and design patterns (Factory, Observer) for modular code.
- Designed modular code to separate game logic, user interface, and rule enforcement.

TOOLS & TECHNOLOGIES

Languages: C, C++, Python, Java, JavaScript, TypeScript, HTML/CSS

Frameworks: React, Tailwind, Vite

Cloud & Databases: AWS (Lambda, API Gateway, DynamoDB, Bedrock, S3, Cognito)

AI/ML: OpenAI API, AWS Bedrock, Retrieval-Augmented Generation (RAG)

Tools: Git/GitHub/Jira, Sourcetree, Confluence, BitBucket, VIM, VS Code, JetBrains IDEs, VirtualBox, Figma,

ServiceNow Learning

Hardware & Systems: PC building, soldering, breadboards, iOS/Android file systems, 3D printing, VM setup, Windows, Linux