

BENNETT MANGUM

Chapel Hill, NC 27516 | (919) 523-1856 | bennettmangum@gmail.com

[linkedin.com/in/bennett-mangum-14824628a/](https://www.linkedin.com/in/bennett-mangum-14824628a/) | github.com/BennettM7 | bennettm7.github.io/portfolio-website

EDUCATION

University of North Carolina at Chapel Hill - BA Computer Science | Technical Major GPA 3.1

May 2025

Relevant Coursework | Data Structures, System Programming Fundamentals, Discrete Structures, Foundations of Programming, Computer Organization, Computer Security Concepts, Foundations of Software Engineering, Files and Databases, 2D Computer Graphics, Introduction to Robotics

PROJECTS

CSXL Organization Member Management

- Collaborated on a four-person team to develop an Organization Member Management System for the CSXL website using Angular, TypeScript, Python, FastAPI, and SQLAlchemy, centralizing membership management and improving efficiency over the previous email and social media-based system.
- Implemented a full-stack solution with Agile methodologies, Docker, and professional Git practices, featuring role-based authorization, self-service management, and seamless integration with the CSXL website, enhancing user experience and organizational efficiency.

Mock Twitter

- Developed a full-stack web application resembling X (formerly Twitter) in just 2 weeks, featuring post creation, liking, following, and profile management, using NextJS for the frontend and Supabase for the backend to create a functional app similar to X and Instagram.

WORK EXPERIENCE & CLUBS

Security Concepts Teaching Assistant

August 2024 - Present

- Assisted a class of 43 students by holding regular office hours and organizing midterm review sessions, ensuring comprehension of challenging security concepts and providing tailored support for diverse learning needs.
- Guided students through complex lab assignments and provided constructive feedback on their work, helping them develop problem-solving skills and improve future submissions.
- Led class discussions and created review materials to reinforce key concepts, encouraging critical thinking and improving overall class performance.

UNC Computer Science + Social Good

January 2024 - Present

Education Team and Project Team Member

Git | VSCode | NextJS | Supabase | React

- Utilized NextJS to create projects and become familiar with web development concepts.
- Acquired industry expertise as part of my preparation to collaborate with clients and contribute to advancing the mission of CSSG, while actively striving to become a valuable future member of the project team.

Carolina AR/VR Club

August 2023 - May 2024

Explore Team

Unity Engine | C# | Unreal Engine | C++ | Godot Engine

- Contributed to a collaborative team of developers, where shared project ideas fostered a unified mindset in the realm of software engineering.

Crew Manager | Landscape It

2019-2022

- Coordinated tasks, routes, and project execution, developing skills in team management, logistical planning, and resource allocation, relevant to software project management and agile workflows.
- Designed and implemented projects, ensuring both aesthetics and functionality. Developed expertise in client communication, creative problem-solving, and iterative design, applicable to gathering requirements and user-centric solutions in software engineering.

TECHNICAL SKILLS

Front End | React, NextJS, Javascript, NodeJS, CSS, TypeScript, HTML, Angular

Back End | Java, C, Python, SQL

Developer Tools | Docker, Git, VS Code, IntelliJ, Jupyter Notebook

Interests | Website Development, Software Development, Full-Stack Engineering Database Management, Back-End Development, Front-End Development, Finance, AI