Sean Canterbury

Charlotte NC | swcanterbury7@gmail.com | Linkedin | Github

Portfolio: seancanterbury.com

EDUCATION:

University of North Carolina at Charlotte (UNCC), Charlotte NC   May 2024
Bachelor of Science in Computer Science | Concentration: Software, Systems, and Networking | Minor: Mathematics
GPA: 3.5
Honors: Chancellor's List: Spring 2024, Fall 2023 | Dean's List: Spring 2023, Fall 2022, Fall 2020

SKILLS:

Languages: *Java, C, Python, C++, SQL, Javascript/Typescript, HTTP/CSS*
Technology: *Visual Studio Code, Github, MySQLWorkbench, Wireshark, FastAPI, Django, Flask, React, React-Native, Tensorflow*
MISC: *Agile, MacOS, Linux, Windows, Unix Bash Commands, Software Verification and Validation*

EXPERIENCE:

Software Quality Engineer Intern: Gilero | Software Validation, Risk Analysis   Fall 2024
● Performed analysis and assessments of Software used in the development and manufacturing of medical devices in accordance with IEC 62304 and ISO 14971
● Collaborated with multiple departments to collect and evaluate information about User Requirements and assess the risk of failure of various software tools.
● Tested software tools of all types to validate and verify functionality in the scope of Gileros design and manufacturing ventures.

PROJECTS:

NSA Project: OCRScribe | *OCR, React-Native, Flask, Tensorflow, PostgreSQL*   Spring 2024
● Collaborated closely with the **National Security Agency** on a project combining Python, JavaScript, AI, and machine learning to design a patented process using **Optical Character Recognition** to convert handwritten text to machine-readable text seamlessly**.**
● Operating in an **Agile environment**, I lead a team of students to ensure that objectives are met on time and efficiently. We held **weekly scrum meetings** with NSA representatives to evaluate the work done and implement outlines for the upcoming work, delegating tasks accordingly.
● Prioritizing **ease of use and functionality**, I implemented the OCRScribe functionality in a **mobile application** utilizing **React-Native** frontend and **Flask** backend. We successfully created a working design satisfying our easy-to-use requirements focusing on simplicity.

Personal Portfolio | *ReactJS, Javascript, Git/Github, HTML/CSS*   Spring 2024
● Developed a personal portfolio using **ReactJS** to showcase my professional skills and project experience.
● Implemented a **continuous integration solution** to allow for easy updates to the website making adding new projects simple.
● Handled **deployment** using Vercel on the domain seancanterbury.com for anyone to access and view my experience.

Online Ordering Website | *Python, HTML/CSS, SQL*   Fall 2023
● Led a team of students in a scrum environment to develop an API fit for a restaurant's online ordering system.
● Effective utilization of **Git** and **GitHub** for version control and collaborative development, enabling streamlined and efficient code management.
● Strong understanding and implementation of **FastAPI** enabling rapid development and easy integration of **CRUD** operations for versatile data management.

RELEVANT COURSES:
Software Engineering
Software Development Projects (Capstone)