

RYAN CABELL

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EXPERIENCE

Blackberry QNX

Software Developer in Test

Cary, NC

Jun 2022 - Mar 2024

- Developed automated testing scripts using PyTest to evaluate WiFi chips
- Created and maintained Bash and Python scripts on POSIX systems to automate processes, reducing downtime by 4 hours weekly
- Led WFA Precertification testing across 11 different testbeds, ensuring product compliance and performance, resulting in a 30% increase in efficiency
- Managed QNX OS microkernel image deployment on aarch and ARM architectures through continuous integration & continuous development (CI/CD)
- Performed unit testing, integration testing, and reliability testing on various hardware setups for QNX SDP 8.0 product release
- Collaborated on Quality Management System (QMS) test plans and managed documentation on Confluence

UNCG

CS Lab Assistant

Greensboro, NC

Jan 2020 - May 2020

- Tutored students in computer science fundamentals
- Developed a consistent grading rubric for assignments and projects

Autobell Car Wash

Team Leader

Raleigh, NC

Oct 2016 - Jul 2019

EDUCATION

University of North Carolina - Greensboro

BS of Computer Science, minor in Mathematics

GPA: 3.55

Greensboro, NC

Aug 2019 - Dec 2021

Wake Technical Community College

Associates of Science

Raleigh, NC

Aug 2017 - Jun 2019

PROJECTS

Better Health — Senior Capstone project

Dec 2021

Technologies used: **Python**, Flask, NoSQL, MongoDB, passlib, APIs

- Led a team of four to develop a website for tracking nutritional intake and healthy recipes.
- Designed a MongoDB database for secure user profile storage with encrypted, salted, and hashed passwords
- Implemented user authentication using Flask's web session and cookies packages.

Craigslist web scraper - Personal project

Dec 2020

Technologies used: **Java**, JSoup, CSS, FXML

- Developed a Java-based web scraping tool to extract and organize information from Craigslist ads

SKILLS

Programming Languages: Python, Java, C#, C, Bash

Technologies: Git, SVN, PyTest, Jenkins, WFA Precert, QNX, Linux/Ubuntu, Windows, Networks, LaTeX

Tools: VS Code, BlackFishDB, Wireshark, Powershell, PuTTY, Meld, Jira, Confluence, Rufus

Soft Skills: Leadership, Teamwork, Documentation, Problem-Solving, Curiosity