# Cameron Himes

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## EDUCATION

- **North Carolina State University** — Raleigh, NC
  Masters in Computer Science - Accelerated Program — Aug 2022 - December 2024

- **North Carolina State University** — Raleigh, NC
  Bachelors in Computer Science; Major GPA: 4.00, Cum. GPA: 3.96 — Aug 2020 - December 2023
  Courses: Data Structures, SW Development Fundamentals, Operating Systems

- **Brunswick Community College/Brunswick County Early College HS** — Bolivia, NC
  Associates in Science; GPA: 4.0 — Aug. 2016 - May 2020

## SKILLS

- **Languages**: Java, C, Python, Javascript, Typescript, HTML, CSS, SQL
- **Tools & Frameworks**: Angular, React, Git, Jira, Toad for Oracle, Cypress, JUnit, Karma & Jasmine, Dynatrace

## EXPERIENCE

- **Centene** — St. Louis, Mo. (Remote)
  Software Engineer Intern - Site Reliability Engineering Team — May 2023 - August 2023
  - **Dynatrace Preset**: Developed an attractive, customizable Dynatrace preset that is being used to monitor the health and performance of multiple Centene applications in Development, Test, UAT, and Production environments.
  - **SRE Principles**: Practiced key principles of Site Reliability Engineering through Dynatrace implementation including the Four Golden Signals (traffic, latency, saturation, and errors), Service-Level Objectives, and monitoring.
  - **Client Communication**: Presented my Dynatrace dashboards and solicited actionable feedback from members of our internal SRE and application teams to further refine them.

- **Centene** — St. Louis, Mo. (Remote)
  Software Engineer Intern - Vendor Load Redesign Team — May 2022 - December 2022
  - **Agile**: Participated in daily Agile ceremonies including sprint planning, daily stand-ups, and sprint retrospectives. Created, owned, and consistently delivered user stories every sprint.
  - **Provider Information Web Application**: Created and thoroughly tested a new web interface from scratch to display important provider and practitioner information.
  - **SQL Queries**: Wrote static and dynamic SQL queries that run against an Oracle database to efficiently get provider information.
  - **Security and input validation**: Implemented checks on the front-end and back-end to prevent malicious or unauthorized queries from being made and to provide a high-quality user experience.
  - **REST API**: Added new endpoints to an existing Java Spring Boot API to support the functionality of the website.
  - **Front-end Testing**: Wrote comprehensive end-to-end tests with Cypress and unit tests with the Jasmine testing framework and Karma test runner.
  - **Back-end Testing**: Created Java unit tests through JUnit and Mockito and tested two new API endpoints with Karate and Postman.
  - **Git**: Became familiar with multi-branch Git project best practices such as handling merge conflicts and merge requests when working on a team.

- **NC State University** — Raleigh, NC
  Course Grader - CSC 116 (Intro to Computing - Java) — Jan. 2022 - May 2022
  - **Grading**: Downloaded, compiled, and graded dozens of student-submitted Java files weekly, checking code style and functionality according to a rubric.
  - **Feedback**: Provided students with detailed feedback on their submissions to help them learn how to avoid mistakes and write better code.

- **Conceptualee Resources** — Raleigh, NC
  Software Engineer Intern — Jan. 2022 - May 2022
  - **Requirements**: Developed functional and non-functional requirements as well as business process management notation (BPMN) diagrams for an identity-management platform.
  - **AWS**: Created and configured VPCs, subnets, and EC2 instances running Ubuntu.
  - **Docker**: Launched Postgres, MySQL, and Mongo databases via Docker Compose.