

# Kyre Shamwell

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## EDUCATION

**North Carolina Agricultural and Technical State University**

Greensboro, NC

*Major: Computer Science*

*May 2025*

GPA: 3.1 / 4.0

Dean's List: Spring 2022; Spring 2023

Relevant Coursework: Data Structures, Database Design, Analysis of Algorithms, Internet Systems, AI & Machine Learning

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## SKILLS

**Languages:** Python, C++, Java, HTML, CSS, JavaScript, Json

**OS:** Linux, MacOS, Windows

**Tools:** Git/GitHub, Vs Code, Microsoft Word, Microsoft PowerPoint, Microsoft Excel

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## PROFESSIONAL EXPERIENCE

**Collins Aerospace**

Cedar Rapids, IA

*Software Engineer Internship; Avionics Department*

*Jun. 2024 – Aug. 2024*

- Migrated legacy Python 2 code to Python 3, modified tests, and implemented HTML test output, enabling GUI-independent test runs.
- Converted GUI-based tests to Python 3, allowing command-line execution and logging results to a text file.
- Created an HTML interface with a Python localhost server to format and display test outputs using JavaScript.
- Tested updated Python 3 scripts on Airborne Flight Display (AFD) and Fomax devices, ensuring functionality and reliability.
- Used a Linux server to commit Python 3 modifications to GitLab and documented changes in AsciiDoc.

*Digital Technology Co-op; Cloud and Automation department*

Remote, NC

*Jan. 2023 – Dec. 2023*

- Design, coordinate, implement, and support collaboration solutions for **71,000 end-users**.
- Work directly with **15+ end-users daily** to define and resolve their collaboration solution needs.
- Migrated **1,000 file shares** to Varonis, a new data security platform.
- Work directly with **10+ end-users daily** to define and resolve their data security solution needs.

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## PERSONAL PROJECTS

**Personal Portfolio Website:**

- Designed and implemented a personal portfolio website using HTML and CSS.
- Connected the website to a GitHub home repository to showcase coding skills.
- Integrated past coding projects from multiple GitHub repositories.
- Highlighted proficiency in various programming languages and frameworks.
- Portfolio available at [kyremichael.github.io](https://kyremichael.github.io).

**Personal PC Build:**

- Assembled my first gaming PC in Summer 2022, guided by YouTube tutorials.
- Identified requirements and sourced components for the build.
- Successfully assembled the PC and installed necessary software.
- Performed tests and troubleshoot performance issues, resulting in a fully optimized system.

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## ACHIEVEMENTS/AWARDS

Executive Leadership Council Scholar

June 2024

TMCF & RTX Scholarship x Internship

Summer 2023

TMCF Lowe's Immersion Program in Charlotte, Nc

Mar. 22nd -24th 2023

Member, Association of Computer Machinery Organization (ACM)

Dec. 2022 – Present

Member, National Society of Black Engineers (NSBE)

Dec. 2022 – Present

Leader, Lead Black History Month Walk

February 2022

Leader, Organizing/ Packing Party for the Homeless

February 2022