Alex Kem

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EDUCATION

Virginia Commonwealth University
Bachelor of Science, Concentration: Software Development | Minor: Business   **2022–2025**
Richmond, VA

Selected Coursework: Data Structures and Algorithms, Computer Organization, Operating Systems (C and Unix), Databases, UI/UX Design.

J. Sargeant Reynolds Community College
Associate of Science, Computer Science   **2020–2022**
Richmond, VA

SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, C++, HTML/CSS
- **Other:** SQL, Git, Linux, Flask, Vim, REST APIs

WORK EXPERIENCE

Amazon
Warehouse Employee   **2020–2022**
Ashland, VA

- Sorted, scanned, and stacked packages on pallets to help get the customers' orders ready for delivery.
- Maintained a clean work environment around the warehouse to ensure safety procedures were followed.
- Use technology such as scanners, computers, and handheld printers to organize the packages in their correct places.

PROJECTS

Java Command-Line Calculator   **August 2021**

- Created a fully functional calculator terminal application to solve math problems in Java.
- Includes basic operations such as addition, subtraction, multiplication, division, modulus, and exponents.

MiniCircuit AI Viewer   **December 2024**

- Developed a web-based AI tool that uses a custom-trained YOLOv8 model to detect and locate electronic components in circuit diagrams.
- Building an interface using Streamlit, allowing users to upload circuit images and view annotated outputs with bounding boxes and confidence scores.

Personal Website   **May 2025**

- Designed and developed a fully responsive personal portfolio website to showcase technical projects and resume.
- Integrated GitHub, LinkedIn, and Streamlit-hosted project links to increase online visibility.
- Implemented smooth navigation, custom styles, and embedded project demos using HTML/CSS.