KHALED SALEH

Columbus, OH, 43230 | (614) 734-4028 | saleh.172@osu.edu

EDUCATIION

The Ohio State University - Bachelors of Science, Computer Science and Engineering, GPA: **3.7/4.0**　　　　**May 2026**
- Deans List: Fall 2022, Spring 2023
- Artificial Intelligence Club, Big Data and Analytics Club

RELEVANT COURSEWORK

Discrete Structures and Algorithms, 2023
Software Development and Design, 2023
Object-Oriented Programming, 2022
Intro to Probability and Statistics for Engineers, 2023

TECHNICAL SKILLS

Front End | HTML5, CSS, styled-components
Back End | Java, C, Python, MatLab
Testing/Deployment | JUnit
Developer Tools | Git, SVN, VSCode, Visual Studio, PyCharm Eclipse, AWT, Linux
Additional Skills | Test Automation, Verbal Communication Skills, Computer Programming, Computer Vision

EXPERIENCE & PROJECTS

Full-Stack Software Engineer | Hand Tracker　　　　**Nov 2023 - Dec 2023**

Hand Tracker Application　　　　Python | Computer Vision
- Engineered a robust computer vision pipeline to precisely identify and track landmarks on each finger through OpenCV's library
- Implemented real-time finger counting algorithm, updating an animated display in the top-left screen to reflect the exact number of fingers presented.
- Enhanced user interaction through intuitive hand gestures, providing an innovative and engaging user experience.

Full-Stack Software Engineer | Natural Number Calculator　　　　**Jan 2023 - Apr 2023**

Simple-Operational Calculator GUI Application　　　　Java | Swing
- Optimized product development by adeptly implementing the MVC **(Model-View-Controller)** design approach, resulting in streamlined code maintenance, enhanced scalability, and improved user interface, culminating in a more **efficient and user-centric product**
- Optimized computational efficiency by employing a concise set of operations, including (+, -, /, ^, root, etc.), streamlining the mathematical processes and ensuring simplicity while handling complex calculations
- Ensured best practices were followed, with testing in JUnit returning more than satisfactory results

Full-Stack Software Engineer | Glossary　　　　**Jan 2023 - Apr 2023**

Multi-Page Organizational System Application　　　　Java | HTML
- Successfully created a program that efficiently processes an input file with terms and their definitions, producing a dynamic **dictionary-like output**. This implementation improved information accessibility, fostering seamless understanding and quicker reference, enhancing overall productivity and knowledge sharing
- Innovatively designed individual HTML pages, embedding precise definitions and incorporating hyperlinks to seamlessly navigate pre-defined words within the content. This dynamic feature enriched user experience, promoting a deeper understanding of interconnected concepts and **fostering efficient cross-referencing**

INTERESTS

- Fitness, Reading, Cooking, Artificial Intelligence, Soccer, Playing the Piano, Music