

Kyle Tranfaglia

Software Engineer Data Scientist



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🌐 LANGUAGES

English — Native/Bilingual

Spanish — Proficient

🏆 AWARDS

Dean's List, Salisbury University
Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023

Recipient of Richard A. Henson School of Science and Technology Scholarship, Salisbury University
Spring 2023 | Renewed Spring 2024

🧠 SKILLS

Programming Language Proficiency

C, C++, Python, Java, HTML, CSS, JavaScript, R, PHP, SQL, and BASH

Software Experience

Debian, Git, Visual Studio Code, Microsoft Office, and MySQL

Hard Skills

Software Development, GUI/UI Design, Web Application Creation, Database Management, and Data Analysis

Soft Skills

Leadership, Problem-Solving, Analytical Thinking, Collaboration, and Project Management

📄 PROFILE

I am Kyle Tranfaglia, an undergraduate computer science and computational data science student at Salisbury University. My educational focus is on foundations, algorithms, artificial intelligence, software engineering, mathematics, and storing, manipulating, visualizing, and learning from large data sets. I am interested in utilizing my experience to fulfill my interest in web development, application design, software development, database management, or data analytics.

🎓 EDUCATION

Bachelor of Science, Computer Science, Salisbury University

2025 | Salisbury, Maryland

GPA: 3.899

Foundations, Algorithms, and Artificial Intelligence Focus | Software Engineering Focus | Minor in Mathematics

Bachelor of Science, Data Science, Salisbury University

2025 | Salisbury, Maryland

Computational Data Science Track

📁 PROJECTS

Discrete Mathematical Systems | Cellular Automata

February 2024 – December 2024

I led a team of three undergraduate software engineers, including myself, to produce a web application containing a collection of cellular automata simulators for a client.

portfolio.kyletranfaglia.top/COSC425/src/

Visualization of Sound | Music Painter

January 2023 – February 2024

I developed a downloadable software in Python that reads the data of a WAV file and converts it to a list of dominant frequencies and spectral data, then uses the data to create a 2-D graphical image.

portfolio.kyletranfaglia.top/MusicPainterWebsite/src/

Laridae - Undergraduate Research Journal, Volume 4

February 2022 – July 2022

I wrote an interdisciplinary research paper titled, "Capitalism: The Synthesis of Economic Growth and Climate Change."

www.salisbury.edu/administration/academic-affairs/graduate-studies-and-research/ourca/laridae.aspx

📁 PROFESSIONAL EXPERIENCE

Mathematics and Computer Science Tutor, Salisbury University

September 2022 – May 2025 | Salisbury, Maryland

I hosted an open-door tutoring center that provides a focused, studious, and welcoming environment for all undergraduate students.

Computer Science laboratory Assistant, Salisbury University

September 2024 – December 2024 | Salisbury, Maryland

I assisted in Computer Science 117: Programming Fundamentals.

Calculus I Supplemental Instructor, Salisbury University

September 2022 – December 2022 | Salisbury, Maryland

I hosted a study session twice a week in which I lectured to a classroom of students and led group discussions.