Fabiana Fazio

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Salt Lake City, UT (Relocating May 2026)
LinkedIn: www.linkedin.com/in/fabiana-fazioo | Portfolio: www.fabiana-fazio.com

SUMMARY: Early-career Software Engineer with a strong foundation in backend development, object-oriented programming, and data-driven systems. Experienced building reliable services, automation workflows, and APIs using Java, Python, JavaScript, and SQL through internships, research, and academic projects. Known for strong problem-solving skills, attention to detail, and the ability to learn unfamiliar systems quickly and contribute to clean, maintainable code.

EDUCATION

Kean University   **Union, NJ**

B.S. in Computational Science and Engineering | Minor: Mathematics | GPA: 3.823/4.000 | Expected Graduation: May 2026

Relevant Coursework: Calculus I-III, Linear Algebra I-II, Discrete Structures, Data Structures, Statistics, Differential Equations, High Performing Computing, Software Engineering.

PROFESSIONAL EXPERIENCE

Uniform Creations   **Elizabeth, NJ**
Operations & Data Systems Specialist   *June 2023 – August 2024*
- Supported and maintained automated order-processing workflows handling 80+ daily transactions
- Identified data inconsistencies and applied structured validation processes to improve system reliability
- Worked with production systems where accuracy, consistency, and operational uptime were critical

Society for Industrial and Applied Mathematics (SIAM)   **Indianola, IA**
Data Science Intern   *June 2024 – July 2024*
- Designed and implemented Python-based data processing and validation workflows to ensure correctness and consistency across structured datasets
- Built repeatable automation scripts to support downstream analytics and decision-making systems
- Collaborated in an agile, team-based environment, iterating on solutions and improving reliability of shared tooling

SOFTWARE ENGINEERING PROJECTS

Kean University   **Union, NJ**
Undergraduate Researcher   *September 2023 – Present*
- Designed and implemented interactive software systems using Blender, Unity, C#, and Python to process and visualize complex datasets (project demos available at www.fabiana-fazio.com)
- Built modular components and internal tools focused on correctness, maintainability, and clear interfaces
- Integrated data pipelines and user interaction logic to enable real-time exploration of datasets
- Tested and refined features to handle edge cases, improve reliability, and enhance usability

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, JavaScript, SQL, Bash.
Framework & Tools: React, Node.js, NumPy, Firebase, Blender, Unity, Git, Linux, LaTeX.
Concepts: Object-Oriented Programming, Data Structures, Algorithms, Debugging, Software Design Patterns.
Backend & APIs: REST APIs, Backend Development, Data Validation, Automation, API Integration.
Databases: Relational Databases.