LUCAS GRAHAM

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TECHNICAL SKILLS

Languages	Java, Python, C, HTML, CSS, JavaScript, C#
Software & Tools	GitHub, Linux, Spring Boot, React, Excel, Copilot, Amazon Q, Cursor
Concepts	Data Structures, Agile Development, Operating Systems

EXPERIENCE

Software Engineering Intern — May 2025 - August 2025
IDEMIA National Security Solutions — *Morgantown, WV*

· Expanded the use cases of microservice-based Docker applications, using Spring Boot, Maven unit tests, RESTful APIs, and PostgreSQL, developing full-stack solutions.
· Collaborated on the design and training of a streamlined AI code review solution that integrates with company workflows and standards via MCP servers to identify errors in syntax and functionality.

Undergraduate Research — January 2023 - February 2025
WVU Office of Undergraduate Research — *Morgantown, WV*

· Conducted research on Architecture Technical Debt (ATD) and authored a paper on the refactoring, management, and prioritization of ATD in academia and industry.
· Presented my research at an academic conference in Las Vegas, NV and published to SpringerLink in the CSCI 24 conference journal, available at —.

Software Engineering Intern — May 2024 - August 2024
IDEMIA National Security Solutions — *Morgantown, WV*

· Implemented the principles and practices of SAFe 6.0 in a Scrum team, participated in code reviews and demos, and used Bash, Python, and Sensetalk to develop efficient and effective code solutions.
· Developed 30+ automated testing scripts to perform basic functionality testing on company software, highlighting critical software bugs, and expediting the software deployment process by 75%.

EDUCATION

West Virginia University — *August 2022 - Expected: May 2026*
B.S. Computer Science — GPA: 3.97
B.S.B.A Finance — GPA: 4.0

PROJECTS

MPX Freestanding Command-Line OS

· Created a comprehensive OS kernel that features process management, dynamic memory allocation, and I/O interrupt handling in C, working in a team environment to plan workflows and system design.

Weather Comparison Web Application

· Built a web application to compare location-based weather patterns for trip planning and integrated NOAA data via RESTful APIs into a React front-end, Node.js back-end, and Azure SQL database.

LEADERSHIP

Presidential Student Ambassador — January 2023 - Present
West Virginia University

· Represent the student voice by suggesting campus improvements to university staff at PSA Summits.
· Perform speeches and organize meetings to guide confused and new students through college life.