# Jackson Herbert

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## Summary

**University Junior seeking IT internship for Spring/ Summer 2026. Preference for a position in software development, systems administrator, cybersecurity, data science or technical support.**

## Education

**George Mason University, Fairfax, VA**      **August 2023 - May 2027**
*Bachelor of Science in Computer Science (B.Sc.)*      *GPA: 3.72*
*George Mason Honors College*
**Relevant Coursework**: Software engineering, Data Structures, Object-Oriented Programming, Low Level Programming, Statistics

## Work Experience

**AI Platform Beta Tester & Software Developer - Internship**      **November 2025 - Present**
*Blackwire Labs*
- Test Blackwire 2.0 to identify UX issues, system bottlenecks, and integration errors; deliver structured feedback to product team
- Develop Python scripts for data ingestion, cleaning, and internal automation
- Create and evaluate AI prompts across LLMs (ChatGPT, Claude) for code generation, automations, and client profiling
- Analyze customer interaction data to improve AI "Smart Prompting" accuracy for business development
- Build HubSpot automations, job schedulers, and data-flow pipelines to streamline cross-platform operation

**NCAA Division 1 Volleyball**      **August 2023 - Present**
*George Mason University Men's Volleyball, Fairfax, VA*
- Captain and athlete at NCAA division 1 level
- Manage demanding schedules of training, competition, and travel, demonstrating advanced time management skills
- Build leadership and teamwork skills through collaboration with coaches and peers

**Independent Math Tutor**      **August 2021 - May 2023**
*Ashburn, VA*
- Tutored HS and MS students Algebra, Geometry, Algebra 2, Pre-Calculus, Calculus AB

## Skills

**Languages: Java, Python, C, R, Javascript,  HTML, CSS**
**Tools: VSCode, IntelliJ, Valgrind, Git, Jira, JUnit Test**

## Personal Projects

**CPU Scheduler**
*Tech Stack: C, multithreading, bitwise operations, dynamic memory, linked lists*
- Developed modular CPU scheduling library in C for a custom shell supporting priority-based, critical, and aging process selection
- Implemented dynamic ready/ suspended/ terminated queues with efficient memory and state management using bitwise flags
- Designed process lifecycle operations (create, select, suspend, resume, kill and reap)

**Postfix Virtual Machine**
*Tech Stack: Java, File I/O. linked lists, stacks, queues, hash tables*
- Built a postfix-expression capable of parsing and executing integer-based postfix programs with variables
- Implemented a stack and input queue to manage computations
- Built a quadratic probing hash table to store and retrieve variables

## Extracurriculars

**NCAA Student-Athlete Advisory Committee Representative (SAAC)**      **August 2024 - Present**
*George Mason University, Fairfax, VA*
- Serve as a liaison between student-athletes, athletics administration, and the NCAA
- Contribute to initiatives promoting student-athlete welfare, community service, and campus engagement
- Collaborate with peers to plan events, fundraisers, and outreach programs benefiting the local community