Ashley Libasci

libasci2@illinois.edu | linkedin.com/in/ashleylibasci/ | github.com/ashleylibasci

Education

University of Illinois at Urbana-Champaign Aug. 2025 – May 2028
Pursuing B.S. in Math and Computer Science, Minor in Statistics; GPA: 3.88/4.00 *Urbana-Champaign, IL*
Relevant Coursework: Data Structures, Computational Linear Algebra, Discrete Structures, Intro to Higher Mathematics Honors, Intro to CS I Honors (Kotlin) & II, Data Science Discovery & Exploration (Python), Calc III

Experience

Illinois Mathematics Lab, University of Illinois Aug. 2026 – Present
Undergraduate Researcher *Urbana-Champaign, IL*
- Selected for Future of Math Research, a competitive faculty-mentored project on math research in the AI age
- Generating proofs with LLMs, verifying them in Lean, and communicating results with generative AI

Baxter Credit Union (BCU) June 2026 – Aug. 2026
Cybersecurity Intern *Vernon Hills, IL*
- Audited 300+ vendors and partners against third-party security standards, documenting gaps for remediation
- Verified contract coverage across the combined vendor portfolios of BCU and its merger partner during the merger
- Designed phishing simulations and security training for BCU's awareness program; all were implemented
- Presented intern project to BCU's Executive Leadership Team and answered questions from senior leaders

MIT Beaver Works Summer Institute June 2024 – July 2024
Student Intern *Remote*
- Selected for a competitive cybersecurity program; analyzed XSS, phishing, and AES side-channel vulnerabilities using Wireshark, Ghidra, and AFL for packet analysis, reverse engineering, and fuzz testing

Northwestern Internet of Things June 2023 – July 2023
Computer Engineer *Chicago, IL*
- Led a five-person team on the program's capstone project; built schematics and programmed Argon microcontrollers in C++ with BLE, cellular, Wi-Fi, and MQTT connectivity

Leadership

Panhellenic Council, University of Illinois Nov. 2026 – Present
Vice President of Scholarship *Urbana-Champaign, IL*
- Elected to the Panhellenic Executive Board to oversee academic programming and scholarship standards for 22 sorority chapters and 3,200+ members

Projects

CareerStar – AI Career Ratings Platform | *Next.js, TypeScript, React, AWS* May 2026 – Present
- Built and deployed CareerStar (ashleylibasci.com), a full-stack web app that rates careers like stocks, scoring 730 occupations on AI-disruption risk
- Engineered a scoring pipeline on U.S. Department of Labor O*NET data, with robustness checks that verify scores stay stable when inputs shift
- Shipped to production on AWS (Amplify, Route 53) with CI through GitHub and a 35-test automated suite
- Developed with a spec-driven agentic workflow (Claude Code + BMAD): wrote the PRD and architecture docs first, then implemented against them

AI Stock Recommendation Engine | *Course Project, Introduction to CS I Honors* Aug. 2025 – Dec. 2025
- Built a full-stack AI stock recommendation engine in Next.js, generating personalized suggestions from user risk profiles and validating performance through back-testing

Technical Skills

Languages: Java, Python, C++, Kotlin, Lean
Frameworks: React, Node.js, Next.js
Developer Tools: AWS (Amplify, Route 53), GitHub, Claude Code, BMAD, VS Code, Xcode, Wireshark, Linux