

Logan Klein

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EDUCATION

North Carolina State University | Raleigh, NC

May 2027

B.S. in Computer Science, Focus in Cyber Security, Completed Minor in Business Administration

- **Courses:** Data Structures & Algorithms, Operating Systems, Computer Organization, Automata Theory, Statistics

EXPERIENCE

Pinehurst Country Club | Pinehurst, NC

Summers 2024 & 2025

Outside Operations - Course 9 & 8

- Accomplished guest service and course operations using team collaboration and time management through efficient handling of outside operations at Pinehurst courses 8 & 9

Summer Ventures at Appalachian State University | Boone, NC

July 2024

Student Life Instructor / Stem Mentor

- Accomplished leadership and mentorship for 43 high school STEM participants using team collaboration and academic advising through event coordination, project guidance, and resident life management

PROJECTS

Encrypted File Manager | Cyber Security & Secure Storage Project (In progress)

Aug. 2025

- Accomplished secure file storage and retrieval using Java (Spring Boot backend) and Python (encryption scripts) through Dockerized deployment with MinIO integration for object storage and custom authentication/authorization flows
- Implemented AES-based encryption and authentication using custom file handling utilities through a security-first design approach

Summer Camp App | Full-Stack Security Project (In progress)

July 2025

- Accomplished development of an end-to-end web application using Next.js, React, Tailwind CSS, and prisma ORM through secure API design and authentication workflows
- Designed and integrated front-end and back-end systems using Node.js and SQL databases through data protection and access control best practices

Password Strength Visualizer & Manager | UI Security & Storage Tool (In progress)

Aug. 2025

- Accomplished real-time password analysis and secure storage using React and encryption algorithms through interactive UI dashboards and strength validation features

Financial Forecasting Tool | Business + CS Project (In progress)

Aug. 2025

- Accomplished predictive financial modeling using Python, Pandas, and visualization libraries through data dashboards and scenario-based forecasting

TECHNICAL SKILLS

Languages (ordered by proficiency): Java, C, Assembly, Python, JavaScript/TypeScript, SQL

Frameworks & Libraries: Spring Boot, React, Next.js, Tailwind CSS, Prisma ORM, Docker, Node.js

Tools and Platforms: Git/GitHub, Eclipse IDE, VS Code, MinIO, REST APIs, Monorepo structures, Google Cloud concepts, ReportLab (PDFs) OpenPyXL (Excel automation)

Cybersecurity & Systems: Security+ in progress, Authentication, Encryption, Secure API design, File system Security, Data structures, Algorithm analysis