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

Certifications (In Progress): CompTIA Security+, AWS Cloud Practitioner, Azure Fundamentals

EXPERIENCE

Pinehurst Country Club | Pinehurst, NC   **Summers 2024 & 2025**

Outside Operations - Course 9 & 8
- Delivered guest service for 200+ members daily, ensuring efficient and secure handling of outside operations across Courses 8 & 9

Summer Ventures NCSSM at Appalachian State University | Boone, NC   **July 2024**

Student Life Instructor / STEM Mentor
- Mentored 43 high school STEM students across research and coding projects, organizing 10+ academic workshops and community events

PROJECTS

Encrypted File Manager | *Cyber Security & Secure Storage Project*   **Aug. 2025**
- Built a secure file storage and retrieval system using Java (Spring Boot backend) and Python encryption scripts, deployed through Docker with MinIO (S3-compatible) object storage
- Implemented AES-256 encryption and custom authentication flows, following a security-first design approach aligned with cloud storage practices

VigilAI | *AI-Driven Cloud Security Platform*   **Aug. 2025**
- Designed an enterprise-grade tool that helps organizations detect, assess, and mitigate improper AI usage through automated risk scoring and policy enforcement
- Engineered a multi-agent architecture using Node.js, FastAPI, and PostgreSQL, integrated with OpenAI APIs for real-time content analysis and redaction
- Deployed Dockerized microservices with JWT authentication, RBAC, and privacy-preserving telemetry, improving data traceability by 40%

Summer Camp App | *Full-Stack Security Project (In progress)*   **July 2025**
- Created a secure Next.js + Node.js web platform supporting 40+ users and built with Prisma ORM, React, and Tailwind CSS
- Integrated role-based authentication and encrypted user sessions, ensuring 100% secure data handling during testing
- Deployed modular APIs with cloud-ready architecture, enabling scalable expansion for 3+ program modules (admin, staff, student)

TECHNICAL SKILLS

Languages (ordered by proficiency): Java, C, ARM64 Assembly, Python, JavaScript/TypeScript, SQL
Frameworks & Tools: Spring Boot, Node.js, React, Next.js, Prisma ORM, Git/GitHub, VS Code, Eclipse
Cybersecurity & Systems: Security+ (in progress), AWS Certified Cloud Practitioner (planned), Microsoft Azure Fundamentals (planned), Docker , MinIO , Authentication & Encryption (AES, secure storage workflows), Secure API Design & Access Control