

Noah Shaffer

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[/Github](#)

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EDUCATION

Florida State University

B.S. Computer Science

- **GPA: 3.7/4.0**

2024

Tallahassee, Florida

University of San Diego

Cybersecurity Engineering

- **GPA: 4.0/4.0**

2026

San Diego, California

WORK EXPERIENCE

Glacier peak Capital

Quant Developer

Aug. 2023 – Present

Remote

- **Glacier Peak Capital** is a family office hedge fund based in Sarasota, Florida, managing multi-strategy investments with a focus on fixed income, private equity, and opportunistic arbitrage. The firm serves ultra-high-net-worth individuals and institutional partners, emphasizing capital preservation, data-driven strategies, and long-term growth.
 - **Task:** I develop automated systems and secure data pipelines for fixed income trading and client onboarding, optimizing real-time analytics and safeguarding high-value financial operations.
 - **Stack:** Python, C++, Pandas, NumPy, SQL, Excel VBA, Linux, Bash, Docker, Redis, Kafka, Airflow, AWS, Secure Shell

RESEARCH EXPERIENCE

University of Nevada, Dust condensation Modeling

Programming Assistant to Cody Shakespear

2025 – 2025

Remote

- **Task:** PyTorch and Pandas to condense a 5D dataset of gas-to-dust condensation into a 2D matrix representing elemental mass distributions across radial distances. Designed a processing pipeline to extract stellar parameters (temperature, pressure, sigma, and radius) from structured text files and integrated them into a neural-compatible tensor format.
- **Skills:** data preprocessing, numerical programming, scientific computation, and clear documentation for reproducibility.

CERTIFICATIONS, SKILLS, & Technologies

- **Certifications:** Security Plus, CCNA
- **Skills:**
 - Full-Stack Development, Secure Software Development, OWASP Top 10, DevSecOps, Cybersecurity Engineering, Risk Assessment, Network Security, Threat Mitigation, Incident Response, Digital Forensics, Threat Modeling, Vulnerability Assessment, Cryptography, Secure Protocol Design, OAuth2, JWT, SAML, LDAP, Data Management, GDPR, SOC 2, HIPAA, Risk Mitigation, Test-Driven Development (TDD), Behavior-Driven Development (BDD), Red-Green-Refactor, Mocking, Stubbing, Unit Testing, Integration Testing, Regression Testing, Code Review, Static Analysis, Dynamic Analysis, CI/CD, Git Workflow, Memory Management, Performance Optimization, Low-Latency Systems, RESTful API Design, Secure Authentication, Compliance Strategy, Containerization, Infrastructure as Code, Logging & Monitoring
- **Technologies:**
 - C++, Python, JavaScript, SQL, Flask, FastAPI, Django, Pandas, NumPy, BeautifulSoup, Selenium,

joblib, unittest, pytest, doctest, mock, hypothesis, Google Test (gtest), Google Mock, Catch2, Boost.Test, Valgrind, AddressSanitizer, Git, GitHub, GitLab, Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, Terraform, Ansible, Prometheus, ELK Stack, Splunk, AWS (EC2, S3, IAM, CloudWatch), PostgreSQL, MySQL, SQLite, Redis, CMake, Makefiles, Bazel, Linux, Bash, SSH, TLS/SSL, VPN, firewalls, IPTables, OpenSSL, Crypto++, libsodium, Scapy, Nmap, Nessus, Metasploit, Wireshark, OSSEC, Fail2Ban, Burp Suite, Nikto, Bloomberg API, REST APIs, JSON