

NOAH SHAFFER

+1 (941) 451-9208 | noahwilliamshaffer@gmail.com | San Diego, CA, USA | linkedin.com/in/noah-shaffer-5182841b4/

EDUCATION

University of San Diego

Master's, Computer Science

January 2025 - October 2026

GPA: 4

Florida State University

Bachelor's, Computer Science

January 2019 - May 2024

GPA: 3.7

CERTIFICATIONS

- CompTIA Security+
- Cisco Certified Network Associate (CCNA)

PROFESSIONAL EXPERIENCE

Curvature Securities LLC

Quant Developer

San Diego, CA, USA

May 2023 - Present

- Curvature Securities is an SEC-registered, FINRA-regulated broker-dealer specializing in securities finance and clearing.
- Developed and maintained secure, automated systems supporting financial operations, ensuring compliance with regulatory standards.
- Designed and implemented cloud-based data pipelines and analytics infrastructure utilizing modern DevOps practices.
- Applied encryption, access control, and secure deployment methodologies to maintain operational integrity across diverse environments.
- Collaborated with cross-functional teams to align software solutions with industry security standards, including NIST and OWASP.
- Technologies: Python, C++, SQL, Bash, Docker, AWS, Kafka, Redis, Airflow, Linux

University of Nevada

Programming Assistant

Remote

January 2025 - April 2025

- 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

PROJECTS & OUTSIDE EXPERIENCE

Dust condensation Modeling

Programming Application

Remote

January 2025 - March 2025

- 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.

SKILLS

Skills: Software Testing, C/C++, Python, Pytorch, Kali Linux, Sales, SAS, MySQL, Linux/Unix, iOS/Swift, Git, Go, Google AdWords, AWS, Agile, R, Selenium, Pandas, NumPy, SQL, Bash, Docker, Redis, Apache Kafka, Airflow, Cryptography, JavaScript, Flask, FastAPI, Django, Kubernetes, Jenkins, Terraform, Ansible, Prometheus, Splunk, Postgres, Grasshopper, Wireshark, REST APIs, Rust