

STEFAAN DAVIS

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EDUCATION

Florida International University (FIU)

Dec 2027

Bachelor of Science, Information Technology

- Honors College Member, National Society of Black Engineers (NSBE) member, 2025 Dean's List
- FIU Field Hockey Club and FIU Soccer Club

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

TECHNICAL SKILLS

- **Coding:** Python, TypeScript, Java
- **Systems, Networking & Cloud:** Linux (Debian, RHEL), Windows Server, TCP/IP, DNS, routing, VPC/subnetting; AWS, Azure Compute/Storage
- **Databases:** PostgreSQL, MySQL, DynamoDB, Redis (relational + NoSQL + caching)
- **Automation, Scripting & IaC:** Python, Bash, PowerShell, Terraform, Ansible
- **CI/CD, DevOps & Containers:** GitHub Actions, Jenkins, Docker, Git, Kubernetes/OpenShift (familiarity)

EXPERIENCE

Eight Twelve Consulting LLC

Mar 2025 – May 2026

Software Engineer

Miami, FL

- Built backend services and automation tooling in TypeScript, Go, and Rust, improving reliability across client systems.
- Deployed and maintained containerized workloads using Docker, GitHub Actions, and Linux environments, supporting production-grade CI/CD pipelines.
- Designed and provisioned secure AWS and Azure infrastructure for onboarding and cloud operations.
- Managed and optimized Linux (Debian, RHEL) and supporting networking, system administration, and production uptime.
- Supported incident response and troubleshooting, resolving system issues across distributed environments and improving operational stability.

Handshake AI

Oct 2025 – Feb 2026

AI Trainer Fellow

Remote

- Optimized annotation workflows and documentation across Project Hedgehog, Lexicon, and Prism, reducing labeling errors 40% and cutting onboarding time 50%.
- Refined training schemas and validated model outputs, improving accuracy and reproducibility 30% while eliminating workflow bottlenecks to raise team efficiency 25%.

PROJECTS

Machine Learning Trading System (Python, PyTorch, TensorFlow)

- Developed a modular machine learning pipeline leveraging Stable-Baselines3, PyTorch, Gymnasium, and Optuna for efficient reinforcement learning experimentation and hyperparameter optimization.
- Automated preprocessing and parallel training of large-scale time series with numpy, pandas, and scikit-learn, and accelerated deep learning workflows using DirectML, pytorch, and pyopencl.

Recruiter Lead Generation Pipeline for Automated Candidate Profiling (TypeScript, Go, Rust, Docker, PostgreSQL)

- Built a high-performance pipeline for automated candidate profile sourcing and extraction from public portfolios.
- Developed scalable, resilient workflows using TypeScript, Go, Rust, Docker, and GitHub Actions.
- Streamlined data operations and exports across platforms, slashing manual review and duplication by 70% through advanced hashing and parallel processing.