

Sergio Andrade

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Computer Science & Mathematics student with production-level experience in systems administration, cloud infrastructure, automation, and Python engineering, targeting roles in software development, systems engineering, cloud operations, or DevOps

EDUCATION

The University of Texas at Arlington

Bachelor of Science in Computer Science & Mathematics

Arlington, TX

Expected May 2028

- Transferred from Campbellsville University, May 2025
- Relevant Coursework: Theoretical Computations, Data Structures & Algorithms, Software Engineering, Computer Organization & Assembly Language, Calculus I-III, Linear Algebra, Discrete Mathematics, Web Development I-II

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, Bash, SQL, HTML/CSS

Systems & Tools: Linux (Ubuntu, Debian), VMware ESXi, Proxmox VE, Apache, MySQL, RAID, Git, Docker, SQLite, GitHub Actions, CI/CD

Networking & Security: SoftEther VPN, SSL-VPN, SSH, Firewall (UFW), CIS Benchmarks, Network Segmentation

Cloud & Enterprise: Microsoft 365, Azure AD, Exchange Online, SharePoint, Google Workspace

Data & Testing: VADER NLP, pytest

EXPERIENCE

Systems Administrator

January 2025 – May 2025

Campbellsville University, Campbellsville, KY

- Deployed Proxmox VE server infrastructure on Dell PowerEdge hardware, supporting 8+ Ubuntu VMs
- Enforced CIS Level 1 security compliance via firewall (UFW), SSH key-based authentication, and least-privilege access controls across the production environment
- Deployed Apache web server and MySQL database per OWASP web security best practices
- Built Bash scripts to automate system maintenance, monitoring, and backups, reducing recurring administrative tasks by 5+ hours/week
- Authored 28-page infrastructure runbook covering network topology, security hardening, and three hardware failure post-mortems

Peer Tutor

September 2024 – May 2025

Campbellsville University, Campbellsville, KY

- Tutored 10+ students weekly in Calculus I-II, Discrete Mathematics, Programming I-II (Java), and Statistics

Network & Systems Engineering Intern

May 2024 – July 2024

Tecniequipos S.A., Quito, Ecuador

- Deployed SoftEther VPN on VMware, enabling company-wide secure remote access via SSL-VPN
- Led zero-downtime migration from Google Workspace to Microsoft 365, managing Exchange Online, SharePoint, OneDrive, and Azure AD user synchronization end-to-end
- Configured ISO 9001 quality management software and replaced hardware components to restore workstation performance across the office

Data Systems Intern

May 2023 – July 2023

Andrade Arteaga Consultores, Quito, Ecuador

- Cut processing time by 66% via Python scripts automating OCR and metadata extraction across 600+ legal documents

PROJECTS

Reddit Sentiment Tracker | *Python, SQLite, VADER NLP*

February 2026 – Present

- Built Python CLI tool fetching live Reddit data via public endpoints, scoring post and comment sentiment using VADER NLP, and storing results in SQLite with CSV export
- 162 passing tests across 5 modules. Zero external dependencies, no credentials required

LEADERSHIP & ACTIVITIES

UT Arlington — Office of Admissions, *Tour Guide*

March 2026 – Present

- Selected to represent UT Arlington to prospective students; lead groups of 20–40 through weekly campus tours

Alpha Lambda Delta Honors Society, *Secretary*

January 2024 – May 2025

Campbellsville University — International Student Council, *Member*

August 2023 – May 2025