ADAM SCHICK

Batesville, IN

SUMMARY

Software engineer with a B.S. in Computer Science, on the Systems team at a telecommunications construction company, building Python integrations and internal tools as part of its move to a new ERP system. Ships tools from requirements to production. Strong C/C++ background, a machine learning foundation, and a track record of mentoring others.

TECHNICAL SKILLS

- Languages: Python, C/C++, Java, JavaScript, HTML/CSS
- AI / Machine Learning: PyTorch, applied ML coursework, strong interest in applied AI development
- Web & Frameworks: Flask, Streamlit, Next.js, Rails
- Databases: MongoDB, MySQL, PostgreSQL, SQLite
- Business Systems: ERP (custom modules, API integrations), GIS platforms (REST APIs)
- Cloud & Tools: AWS, Azure, Railway, Docker, GitHub Actions, pytest, Playwright
- Identity & Security: Microsoft Entra ID, Microsoft 365 admin, SPF/DKIM/DMARC, 1Password, Mosyle MDM
- Mathematics: Calculus, Discrete Mathematics, Linear Algebra

WORK EXPERIENCE

Software Engineer *10/2026 – Current*

Aquila Corporation — Telecommunications Construction

- Built and maintain an automated update system (Python) that keeps records in sync between external and internal systems on a schedule. In production since Nov 2026, with automated tests.
- Built an internal web app (Python, Flask, single sign-on) that checks design work against a client's rules, with sign-off required before rule changes take effect.
- Building an internal inventory system as part of the company's ERP migration: a custom module, scripted data loading, and barcode scanning.
- Microsoft 365 administrator: drafted the company's first information security and acceptable use policies, designed a company-owned account for all automation, and helped IT answer a client security questionnaire.

Sales Team Lead *02/2026 – 09/2026*

500 Republic — Indianapolis, IN

- Led a team delivering AT&T sales solutions across Indiana, managing customer needs end-to-end and translating requirements into tailored quotes and packages, while building coaching and team-leadership skills.

Teaching Assistant — Data Structures & Algorithms *01/2023 – 12/2023*

University of Alabama — Tuscaloosa, AL

- Tutored about 100 students one-on-one and in groups; mentored struggling students to measurable grade gains.
- Authored unit tests to grade student coding assignments; graded assignments and exams with detailed feedback.

PROJECTS

Full-Stack Business Utility Platform *Fall 2024*

Independent 3-Developer Team — Client-Deployed Application

- Co-developed and deployed a full-stack application (Python, C++, Streamlit) for a live business client, letting dozens of employees at offices nationwide generate and manage customer fee proposals in real time.
- Owned the backend and database layer and major portions of the Streamlit frontend, designing the data models and application logic and integrating persistent proposal storage with the client's database.
- Engineered a secure login and access-control system to protect proprietary business logic and formulas, addressing sensitive data-security requirements specific to the client.

EDUCATION

Bachelor of Science, Computer Science *12/2024*

University of Alabama — Tuscaloosa, AL

- Honors College member, Aug 2021 – Dec 2024; National Merit Scholarship Recipient
- Relevant Coursework: Machine Learning, Cryptography, Database Systems, Data Structures & Algorithms
- Foreign Language: German — fluent reading, writing, and speaking; near-native proficiency