

COLE A. MURRAY

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EDUCATION

University of Illinois at Urbana-Champaign, Grainger College of Engineering GPA: 3.76/4.00

Bachelor of Science in Computer Engineering, Hoelt Technology & Management Minor Expected Graduation May 2029

Related Coursework:

Awards: Schaumburg Business Association Scholarship, Engineering Visionary Scholarship, Illinois State Seal of Biliteracy

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, ReactNative, Kotlin, JavaScript

Frameworks/Tools: Microsoft Azure, Snowflake, Git, Zendesk, Keboola, Zapier, Excel, Streamlit

Spoken Languages: English and Spanish

WORK EXPERIENCE

Nerdio

Skokie, IL

Software Engineer Intern

May 2026 – August 2026

- Architected a **TypeScript MCP server** integrating Microsoft Graph and Azure ARM to audit privileged Entra ID / Azure RBAC access across a **60+-tenant multi-cloud identity platform**; 12 tools, OAuth app-only auth, and Azure Container apps hosting with Entra authenticated HTTP transport
- Built an **authenticated LLM/API proxy** so internal apps can call Claude without exposing the Anthropic API key. Validates Entra ID JWTs, injects a server-side key, proxies the Anthropic API, and enforces per-user allowlists, model allowlists, and rate limits. Deployed to **Azure App Service** with secure Key Vault secrets and structured audit logging
- Engineered a TypeScript Azure Function App **multi-destination webhook delivery platform** that replaced scattered automations across multiple platforms with a singular, consolidated, queue-backed routing system to Teams, Azure Communication Services Email, or HTTPs webhooks, with an append-only Table Storage audit log; Entra Easy Auth and a custom RBAC admin dashboard on Static Web Apps, with Github Actions OIDC CI/CD

Solutions Engineer Intern

May 2025 – August 2025

- Designed and built internal tools to support product, customer success, and operations teams
- **Developed interactive dashboards** and apps to visualize product usage, customer interaction, and web traffic
- Created **large scale data transformations** to deliver actionable datasets to multiple departments
- Built and implemented **multiple automation workflows**, including a **real time automated reply system** for the company help forum and an **email notification system** for incoming support tickets.
- Gained familiarity **leveraging AI tools** such as Cursor and Copilot 365 to increase and optimize my output

PROJECT HIGHLIGHTS

- **Coming SOON!**

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Phi Gamma Nu Professional Business Fraternity

Champaign, IL

Athletics Committee, Mr. Business Fundraising Committee

September 2025 - Present

- One of 30 new members selected from a pool of 900+ applicants through a rigorous multi-stage interview process.
- Coordinated athletic and fundraising events for upwards of 400 people across multiple campus organizations