

ABDALLAH GAZAL

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EDUCATION

Cornell University

Bachelor of Science in Information Science

Data Science concentration; Minor in Business

Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Systems Programming, SQL & Relational Databases, Web Technologies

Ithaca, NY

Expected May 2028

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, Java

Frameworks & Web: React, Vite, Vitest, HTML5, CSS3

Tools & Platforms: PostgreSQL, Supabase, REST APIs, Git, GitHub, GitHub Actions (CI/CD), Visual Studio Code, Jupyter Notebook, Netlify, GitHub Pages, Claude Code, GitHub Copilot

EXPERIENCE

Software Engineer Intern

Donyma Steel Complex

Kumasi, Ghana

May 2025 - Aug 2025

- Reduced page load times by roughly 20% for a React application used by thousands of customers by improving its main dashboard and navigation screens.
- Built 15+ reusable React components across 10+ screens, reducing repeated code and speeding up later updates.
- Integrated REST APIs and fixed interface and data issues, using Python analysis of user activity to decide which problems to address first.

Web Lead & Financial Coordinator

Future Civilisations Society

Ithaca, NY

Jan 2026 - Present

- Built and maintained the conference website in JavaScript, HTML, and CSS, putting speaker details, panel information, and schedules in one place for attendees.
- Used website analytics to improve navigation and worked with event teams to keep site information current.
- Coordinated budget planning across programming, marketing, and logistics to help the team prioritize event spending.

PROJECTS

Stellic Pathfinders Challenge | Bridge

Aug 2026

Participant and Project Developer

- Built and submitted Bridge, a TypeScript web app with step-by-step guidance for international students navigating campus jobs, CPT/OPT, and other university processes.
- Created preparation checklists and next steps to make each process easier to follow.
- Improved navigation and fixed bugs with support from Claude Code, then checked and deployed the app on Netlify.

Resolve | Guided IT Support

2026 - Present

- Built a full-stack React and TypeScript app that guided users through common IT problems and gave support staff a consistent troubleshooting process.
- Used PostgreSQL and Supabase to save troubleshooting progress and limit data access by user role.
- Added 22 database checks and automated validation in GitHub Actions to catch errors before release.

Layer | Personalized Weather App

2025 - Present

- Built and deployed a full-stack React app that suggested clothing from live forecasts, then improved it using feedback from 10 pilot users.
- Saved preferences in PostgreSQL and Supabase and added offline syncing to preserve updates when connections dropped.
- Wrote 40 Vitest unit tests and configured GitHub Actions to run tests and builds before deployment.