

Ayo Ogunade

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EDUCATION

B.S in Computer Science

The University of Saskatchewan

Expected 2027

Saskatoon, SK

WORK EXPERIENCE

Software Engineering Intern

GRANTED

June – August 2025

Saskatoon, SK

- Developed and deployed a full-featured blogging system in Next.js with Prisma ORM and PostgreSQL, enabling CRUD operations, SEO optimization, and dynamic routing for 100% content management autonomy.
- Developed a minimal admin interface for blog creation, editing, and publishing, improving editorial efficiency.
- Implemented email verification (NextAuth/Prisma) with token/session persistence, reducing failed verifications by 30%.
- Diagnosed and resolved OAuth authentication and email verification issues, improving user sign-in success rate by eliminating recurring login failures.

Database Project Coordinator

The University of Oklahoma

September 2023 – May 2024

Norman, Oklahoma, USA

- Optimized engagement for 5,000+ volunteers and 200+ jobsites by implementing an efficient online volunteer registration database using Excel, MySQL, and Google Looker Studio.
- Streamlined tracking of volunteer participation, reducing registration processing time by 25%.
- Collaborated with team members to ensure accurate data management and reporting for the largest community service organization at OU.

PROJECTS

ResumA.I | Next.js, Tailwind CSS, MongoDB, Google Gemini

- Built a full-stack resume optimization platform that reduced users' manual editing time by 65% by developing a **Next.js** frontend with file upload parsing and a **Node.js/MongoDB** backend with **Google Gemini's** AI integration
- Increased API performance by 40% (reduced avg. response time from 1.2s to 700ms) by implementing query optimization, caching, and pagination for the resume history feature
- Improved data reliability with 99.9% uptime by designing a MongoDB Atlas cluster with soft-delete functionality and automated backups

AyoZon | Next.js, Tailwind CSS, Python, Flask, MongoDB

- Built and deployed a full-stack e-commerce platform simulating Amazon workflows, supporting 1,000+ simulated users with email-confirmed transactions.
- Built the frontend using **React**; Implemented the backend with **Python** and **Flask** for server-side processing.
- Designed RESTful API endpoints to manage product data in a MongoDB database, enabling seamless CRUD operations for 1,000+ simulated users.
- Integrated email confirmation functionality using Flask to simulate real-world transaction workflows.

TECHNICAL SKILLS

Languages | Python, JavaScript/TypeScript, Java, C/C++, SQL, Google Apps Script

Frameworks | React, NextJS, TailwindCSS, Spring Boot, Flask, Express.js

Databases | PostgreSQL, MySQL, Neon, MongoDB

EXTRACURRICULARS

- Annual volunteer at Saskatchewan Uniting the Prairies Tech Startup Conference
- Sankofatech Achievers In Technology Scholar (2% of 1000+ applicants)
- Technical Interview Prep Student at CodePath