

# Ayo Ogunade

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## EDUCATION

### B.S in Computer Science

The University of Saskatchewan

Expected 2027

Saskatoon, SK

**Notable Classes:** Intermediate Data Structures & Algorithms; Computer Organization & Architecture; Web Development; Software Engineering

## WORK EXPERIENCE

### Software Engineering Intern

June – August 2025

GRANTED

Saskatoon, SK

- Built production-ready AI-integrated blogging platform by developing full-stack Next.js/React application with PostgreSQL, Prisma ORM, and modern JavaScript (ES6+)
- Reduced editorial workflow time by 40% by designing intuitive UI/UX with reusable component architecture and streamlined admin interface
- Decreased failed user verifications by 30% by implementing robust authentication system with NextAuth/Prisma and persistent session management
- Collaborated with cross-functional teams using Agile methodologies, Docker containerization, and Git version control

### Database Project Coordinator

September 2023 – May 2024

The University of Oklahoma

Norman, Oklahoma, USA

- Optimized engagement for 5,000+ volunteers across 200+ jobsites by implementing online registration database using Excel, MySQL, and Google Looker Studio
- Reduced registration processing time by 25% by streamlining volunteer participation tracking and automated data

## PROJECTS

### CalenDue - 1st Place Winner, CoHack 2025 | Next.js, TypeScript, Claude Sonnet 4, LangChain, Tailwind CSS

- Won 1st place at 27-hour hackathon by building AI-powered academic calendar platform that transforms syllabus documents into integrated calendars in under 30 seconds
- Developed sophisticated AI parsing pipeline using Claude API with advanced prompt engineering (0.05 temperature) and three-tier error recovery system, achieving 95% parsing success rate
- Built custom RAG chatbot enabling natural language queries on syllabus content, showcasing AI integration expertise
- Designed responsive, accessible UI with intuitive design principles achieving zero-onboarding user experience

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

- Built AI-powered resume optimization platform integrating Google Gemini LLM with custom prompt engineering for intelligent content suggestions
- Reduced users' manual editing time by 65% through modern React-based UI with component-driven design
- Improved API performance by 40% (1.2s to 700ms) through JavaScript optimization and caching strategies

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

- Built full-stack e-commerce platform serving 1,000+ users with React frontend and Python/Flask microservices backend
- Designed RESTful API endpoints with comprehensive CRUD operations and SQL/NoSQL database integration

## TECHNICAL SKILLS

**Languages** | Python, JavaScript/TypeScript, Java, SQL, HTML, CSS, C/C++

**Frameworks** | React, Next.js, Flask, Express.js, TailwindCSS

**AI/ML Tools** | Claude API, Google Gemini, LangChain, RAG (Retrieval Augmented Generation), Prompt Engineering

**Databases & Tools** | PostgreSQL, MongoDB, MySQL, Docker, Git, RESTful APIs