

# Jax Donlon

Bachelor's of Science: Computer Science  
University Of Oklahoma, Norman

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Portfolio Website

LinkedIn Profile

## EDUCATION

### •Bachelor of Science: Computer Science

2022-2026

University Of Oklahoma, Norman

## EXPERIENCE

### •Software Engineer & Project Manager

Mar 2025 - Present

Candidate Tools, Oklahoma City

Contract

- Designed and developed a full-featured candidate tools website from scratch, including architecture, front-end, back-end, and deployment.
- Contributed to production-grade applications, enhancing functionality and user experience.
- Managed teams of up to 5 individuals, ensuring project milestones were met with efficiency and precision.

### •Software Engineer

Mar 2025 - Current

Xvector.us, Oklahoma City

Contract

- Build a Flask-based backend integrating Faster Whisper for real-time speech-to-text and TensorFlow/YAMNet for environmental audio classification.
- Developed a custom offline map-tile server with a multi-threaded downloader (concurrent.futures), enabling full operation without internet connectivity.
- Created an “AI Advisor” module that interfaces with local LLMs and generates automated PDF reports using FPDF
- Designed a responsive, themeable frontend using vanilla JavaScript and Leaflet.js for real-time sensor tracking and map visualization.

## PERSONAL PROJECTS

### •Mos Fit

An AI driven diet tracking web app build using React framework.

- Utilizing the React framework for web-app front-end development.
- Utilizing public API's for data collection and developing internal APIs for our back-end systems.
- Technology Used: TypeScript, React, MySQL, Git, API

### •MedTools

Medical practice dashboard for patient data management

- Built a secure authentication flow in React, including multi-factor login.
- Developed a drag-and-drop patient interface using the native HTML DnD API for assigning biomarker values to calendar weeks.
- Created a responsive design system following Google Material Design using scoped CSS variables.
- Technology Used : Python, Git, React, JavaScript, Axios, HTML Drag and Drop API

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C, C++, C#, Python, JavaScript, TypeScript, HTML/CSS, Java

**Libraries:** NumPy, pandas

**Web Tools:** Node.js, VS Code, Git, GitHub, Postman

**Frameworks:** React

**Cloud / Databases:** MySQL, Google Cloud

**Coursework:** Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, DBMS, Software Engineering

**Areas of Interest:** Database Engineering, Web Development, Backend Development

**Soft Skills:** Problem-Solving, Critical Thinking, Presentation, Adaptability

## ACHIEVEMENTS & AWARDS

### •CS-INCLUDES

Aug 2022 - Present

- Selected for a competitive scholarship supporting Native American and Indigenous CS students.
- Participate in weekly cohort meetings, professional development activities, and conferences.
- Engage in research, service-learning projects, and community-focused initiatives.