

Jason Xie

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EDUCATION

University of Wisconsin- Madison

Expected Graduation May 2027

Bachelor of Science in Computer Science, Data Science

Junior Standing

Honors: Dean's List (4.0 GPA), Pursuing Honors Track in Computer Science

Coursework: *Data Structures, Algorithms, Logic Design, Machine Organization & Programming, Shell Scripting*

PROFESSIONAL EXPERIENCE

CollegeGrub, Microsoft for Startups Program (<3% acceptance rate)

Madison, WI

Co-CEO and Chief Technical Officer

December 2024 - Present

- Designed and built a full-stack **MongoDB / React Native / Python** platform that 85+ beta testers provide feedback on.
- Integrated BERT **sentiment-analysis** models and automated **web-scraping pipelines** to fetch daily menu information.
- Implemented web dashboard using **React** that provides actionable insights to **UW-Madison dining advisory board**.

Spinor AI, Microsoft for Startups Program

Oak Park, CA

Senior Frontend Engineer and Chief Technical Officer

June 2024 - January 2025

- Developed **React website** with **ShadCN** components and **SEO optimizations**, increasing user traffic by **80%**.
- Integrated **API** for data exchange with **AWS-hosted custom transformer LLM** that generates prompt enhancements.
- Implemented **CAPTCHA system** and **API rate limiting**, protecting the company from over **1,000 unnecessary requests**.

PROJECTS / OUTSIDE EXPERIENCE

LensCook – Let's Cook Together

Camarillo, CA

Web application that identifies ingredients in pictures to suggest recipes.

January 2024

- Worked with 3 others in a **county-wide 36-hour hackathon** to develop **first place** app against 40+ others.
- Integrated **APIs** and **Google Cloud Vision models** that identify food items in images and generate curated recipes.
- Implemented **JSON processing pipeline in Python** that converts response data to **structured classes** for display.

InfectID – For Medical Professionals

Los Angeles, CA

Web application that visualizes patient networks and predicts patient zero using a ML algorithm.

December 2023

- Selected by Congresswoman as **First Place App in California's 27th district in Congressional App Challenge of 2023**.
- Developed and host **Flask** website that hosts graph visualization using NetworkX and Matplotlib **Python** libraries.
- Implemented **NEAT-based ML** algorithm that uses **levels of back-tracing to predict patient zero with 85% accuracy**.

Dia-gnosis – AI in Systems

Los Angeles, CA

Neural network with web interface that diagnoses diabetes using patient information.

June 2023

- Trained **Tensorflow model** on *Pima Database* that diagnoses diabetes with a **95% accuracy** based on training data.
- Built **CSV processing algorithm** that passes data into **prediction pipeline** for quicker execution on mass patient data.

CERTIFICATIONS

CS50x: The Intellectual Enterprises of Computer Science and the Art of Programming

Issued Dec 2021 by edX

Relevant Skills: *C, Arrays, Algorithms, Memory Allocation, Data Structures, Python, SQL, Flask*

SKILLS

Languages: Java, Python, C/C++, TypeScript, SQL, JavaScript, R

Cloud & DevOps: AWS, Azure, Google Cloud **AI/ML:** PyTorch, TensorFlow, scikit-learn, Hugging Face Transformers

Web/Mobile Dev: React/React Native, Node.js, REST APIs, Flask **VC:** Git, Gitlab, Bitbucket