

DEYUAN YANG

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EDUCATION

Washington University in St. Louis , St. Louis, MO	GPA: 3.7/4.0	August 2023 – May 2026
Bachelor of Science & Master of Science in Computer Science		Expected May 2026
DePauw University , Greencastle, IN	GPA: 4.0/4.0	August 2020 – May 2023
Bachelor of Arts in Pre-Engineering and Mathematics		Degree Conferral Expected May 2026

TECHNICAL SKILLS

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

Cloud & AWS: AWS S3, Lambda, DynamoDB, REST APIs, Serverless architecture

Frameworks & Tools: React, Next.js, FastAPI, Streamlit, Git, Docker, OAuth, JWT

Analytics & ML: Pandas, NumPy, Scikit-Learn, PyTorch, Tableau, PowerBI

Data Engineering: ETL pipelines, API integration, OLAP/OLTP, dimensional modeling

Certifications: Microsoft Azure AI Fundamentals (2024)

WORK EXPERIENCE

Progressive Web Application Developer — Livelihood Impact Fund	August 2025 – Oct 2025
<ul style="list-style-type: none">Owned end-to-end delivery of a tender-management PWA used by 100+ buyers/suppliers, including requirements, UX decisions, and feature rollout.Integrated OpenAI API to automate data extraction, reducing manual entry time by 30% and improving workflow efficiencyConsolidated CRM processes via Freshworks integration, increasing cross-team visibility and communication consistency.	
Full Stack & Mobile Developer – SendBack	April 2024 – August 2025
<ul style="list-style-type: none">Led product development of a return-automation system used for thousands of transactions; collaborated with PM and engineering weekly.Launched cross-platform mobile app (React Native), increasing mobile engagement and session durationDesigned scalable data architecture using AWS S3 + DynamoDB, cutting user-data latency by 15%.Implemented structured logging and event instrumentation to enable downstream analytics and funnel measurement.	
Web Developer & Designer – Zaiko	June 2024 – August 2024
<ul style="list-style-type: none">Designed and shipped a full-stack inventory management product (React/FastAPI/PostgreSQL) used to track hundreds of food inventory itemsConducted user testing that drove UX improvements, increasing task-completion speed by 25%Built real-time analytics dashboards to help operations teams monitor stock levels and reduce stock-outs.	
Security & QA Analyst – Linuxjobber	Jan 2024 – May 2024
<ul style="list-style-type: none">Improved platform uptime by 15% by redesigning stable UI workflows in Django and optimizing release QAConducted end-to-end testing across features, achieving 99% documentation accuracy.	

PROJECTS

SynapTrack – Neuroscience Mobile Research App	Fall 2025
<ul style="list-style-type: none">Built Android app (React Native) for participant data collection, increasing potential study enrollment by 50%Unified iOS + Android codebases to reduce long-term maintenance costs.	
EcoTag – Sustainability Product Scanner (SVC Semi-Finalist)	Fall 2025
<ul style="list-style-type: none">Built MVP for product sustainability scoring used for the WashU Skandalaris Venture Competition (semi-finalist).Analyzed 400+ product attributes and embedded them into a weighted scoring model with feature adjustments based on user feedback.Designed quick-scan funnel metrics and landing-page conversion analysis.	
D10 – AI Agent GUI for Architectural Plan Analysis	Summer 2025
<ul style="list-style-type: none">Fine-tuned an LLM to automate object detection, improving analysis speed by 90%Designed Streamlit product interface enabling teams to visualize model outputs and provide structured feedback.	
Seasonal Trade-Up Platform	Spring 2024
<ul style="list-style-type: none">Delivered e-commerce product integrating eBay API, CI/CD, and Docker/Kubernetes	
WhoFundedIt – AI-Powered Research Tool	Summer 2023
<ul style="list-style-type: none">Developed NLP system to extract and summarize grant information from academic papers; validated results with research teams.	