

XUANZHI ZHANG

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EDUCATION

University of Southern California Master of Science in Computer Science	Los Angeles, California January 2024-December 2025
The Ohio State University Bachelor of Science in Physics	Columbus, Ohio September 2019-May 2023

TECHNICAL SKILLS

- Programming Languages: Java, Python, C/C++, C#, Lua, R
- Web Technologies: CSS, HTML, JavaScript, VUE.JS
- Tools & Frameworks: Git, Pytorch, TensorFlow, Docker
- Cloud & Database Technologies: AWS, NoSQL, MySQL

CERTIFICATIONS

AWS Certified Developer – Associate (2025) - Amazon Web Services (AWS)

WORK EXPERIENCE

Amazon.com, Inc Software Developer Engineer Intern	Seattle, WA May 2025-August 2025
<ul style="list-style-type: none">• Developed LLM-based AR makeup system enabling real-time virtual try-on and personalized cosmetic recommendations• Re-architected Amazon's core 3D rendering engine supporting 490K+ daily product page views• Achieved 9% increase in session time and 6.2% reduce in return rate through enhanced rendering fidelity and performance• Authored QA plans adopted by 3+ teams, reducing validation time 40% and supporting stable production release	

University of Southern California Executive and technology leader	Los Angeles, CA January 2024-November 2024
<ul style="list-style-type: none">• Built a block-based AI conversation system with Vue.js, TypeScript, and AWS Lambda, enabling cross-interface memory sharing• Designed and implemented web-app using AWS services (Lambda, DynamoDB, API Gateway) for real-time chat processing• Led development of modular microservices architecture integrating multiple AI capabilities for conversation management	

The Ohio State University Systems Developer	Columbus, OH March 2023-January 2024
<ul style="list-style-type: none">• Deployed image recognition model on AWS, utilizing TensorFlow for model training, Docker for containerization• Developed algorithms for optimized lab workflows using Cloud Compute Engine for high-performance computing• Rewarded for Graduation with Research Distinction in Physics	

SGS S.A. Data Scientist Intern	Beijing, China August 2020-December 2020
<ul style="list-style-type: none">• Developed an Excel-based automation system, cutting customer order processing time from 1 hour to 3 minutes• Deployed YOLOv5 on mobile for QR code recognition and order placement, cutting 200-sample purchase time to 5 minutes	

LEADERSHIP & INVOLVEMENT

OSU Data Analysis Datafest Team leader	Columbus, OH April 2022-April 2022
<ul style="list-style-type: none">• Wrote a batch retrieval program in Python to obtain over 20,000 lines of Excel data and 1GB player data for data visualization	

Puzzleology Club Founder & Vice President	Columbus, OH February 2020-April 2022
<ul style="list-style-type: none">• Founded and grew an AI-driven Dungeons & Dragons club to 300 members, serving as Vice President	

Roblox Game Developer/Team leader	Columbus, OH May 2021-July 2021
<ul style="list-style-type: none">• Led a game development team to win ‘Most Popular’ and ‘Serious Game’ awards at the 2021 Roblox National Competition	