

CHRISTOPHER STANULET

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EDUCATION

MASTER OF SCIENCE

Stanford University, Stanford, CA
Computer Science | AI Specialization

05/2027

BACHELOR OF SCIENCE WITH HONORS DISTINCTION

The Ohio State University, Columbus, OH
Major in Computer and Information Science | AI Specialization
Second Major in Data Analytics | Machine Learning Focus

05/2025
3.92 GPA

CORE COMPETENCIES

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|----------------------------------|-----------------------------------|----------------------|
| ✓ C++, C#, Python, Java, R | ✓ HTML, CSS, JavaScript, REST API | ✓ Docker, Kubernetes |
| ✓ PyTorch, Tensorflow, XGBoost | ✓ Database Design, SQL | ✓ Computer Vision |
| ✓ Algorithms & Data Structures | ✓ Statistical Analysis | ✓ Cloud Computing |
| ✓ System Modeling & Optimization | ✓ Artificial Intelligence | ✓ Git, CI/CD |

FIELD EXPERIENCE

UNDERGRADUATE RESEARCH ASSISTANT | AIMS Lab, Columbus, OH

02/2023-08/2025

- Engineered GPU-accelerated paint and coating simulation using ray tracing algorithms, achieving <10ms simulation time for industrial-scale jobs, enabling real-time process optimization.
- Developed and deployed computer vision models for consumer product applications, fine-tuning and modifying YOLOv8/Dino architectures to achieve 97% accuracy on custom action recognition datasets.
- Designed and integrated AR-based human-in-the-loop interface for robotic systems using Unity and ROS, reducing operator training time and enabling non-expert users to program complex manufacturing tasks.
- Implemented RAG system using Ollama and vector databases to extract insights from 60,000+ research papers.
- Created educational blacksmithing game with realistic physics simulation for data collection, generating 100,000+ training samples for Reinforcement Learning models while creating a safer training environment for new forgers.
- Mentored 8 researchers, developing technical training curriculum and managing task allocation across projects.
- Presented technical updates to industry clients and coordinated deliverables across multiple concurrent projects.

CLOUD SERVICE DESK INTERN | Hyland, Westlake, OH

05/2022-08/2022

- Coordinated team of four interns to complete tasks and projects vital to customer cloud solutions.
- Effectively troubleshooted and corrected issues throughout multiple customer platforms.
- Volunteered as an instructor at Hyland's summer tech camps to teach courses in subjects such as the blockchain, computer animation, and Python to local middle and high school students.

RELEVANT PROJECTS

ALBUM RECOMMENDER/ GENRE ANALYZER

Conducted genre similarity analysis using fundamental machine learning techniques. Used genre embeddings of a user's ranked albums to create custom recommendations weighted by album ranking and genre prevalence.

INTERACTIVE DEGREE VISUALIZER

Designed an interactive visualization tool using D3.js to help computer science students navigate degree requirements for various specializations. Created dynamic, user-friendly interfaces for exploring course prerequisites and program pathways.

PORTFOLIO WEBSITE

Self-taught React.js to build a personal portfolio website, integrating Sanity CMS as a backend solution. Implemented dynamic content management capabilities, allowing for efficient updates and maintenance.

DATA I/O HACKATHON (1ST PLACE)

Led analysis of 10M+ data points, performing data cleaning and exploratory analysis to generate actionable business insights. Created compelling interactive visualizations to communicate findings, securing first place in the competition.