

TRUSTAN PRICE

217-954-8537 | trustanprice@gmail.com | LinkedIn | GitHub | Portfolio

EDUCATION

University of Illinois Urbana-Champaign Master of Computer Science	Champaign, IL Expected Spring 2027
University of Illinois Urbana-Champaign Bachelor of Science in Statistics ; Minors in Computer Science and Data Science	Champaign, IL Graduated Fall 2025

SKILLS

Languages: Python, SQL, R, JavaScript, CSS, HTML, C++, Java
Libraries: Pandas, NumPy, Scikit-Learn, Matplotlib, Boto3, TensorFlow, PyTorch
Frameworks & Tools: CI/CD, Azure DevOps, Git, Flask, React.js, Streamlit, Vercel, Power BI, Tableau, Grafana
Cloud & Platforms: AWS (S3, Lambda, EC2, SageMaker, CloudFormation, API Gateway)

EXPERIENCE

Software Engineer Intern Caterpillar Inc.	May 2025 – Aug 2025 Chicago, IL
• Achieved 100% audit test coverage for a decades-old production codebase, enabling safe modernization and long-term maintainability.	
• Developed and maintained corporate-scale CI/CD pipelines in Azure DevOps with weekly user stories and production push requests.	
• Built observability dashboards with CloudWatch, Prometheus, and Grafana to monitor deployed ML systems.	
AI & Mixed Reality Research Assistant Human-XR Interaction (HXRI) Lab, University of Illinois Urbana-Champaign	Feb 2025 – Sep 2025 Champaign, IL
• Developed a Mixed Reality clinical training simulator for a real medical client using Unity and MRTK3 on HoloLens.	
• Integrated AI-driven motion tracking and computer vision pipelines with live feedback from medical professionals.	
Software Engineer Intern State Farm	May 2024 – May 2025 Bloomington, IL
• Developed and productionized a CNN-based car seat classification system deployed for direct customer use.	
• Built and validated a labeled image dataset from scratch, enabling scalable model training and real-time inference.	
• Implemented preprocessing and analytics pipelines with Pandas and NumPy to support production ML workflows.	

PROJECTS

NBA Team Failure Prediction Model — Python, Pandas, Scikit-Learn, Streamlit, Excel	Sep 2025 – Present
• Built a multi-season NBA win/loss prediction model achieving 90% accuracy on a 5-game failure threshold.	
• Designed a failure detection framework to flag statistically unexpected losses using strength of schedule, win probability baselines, and adjusted performance metrics.	
AI Academic Advisor — React, Flask, Python, BeautifulSoup, NLP	Dec 2024 – Mar 2025
• Developed and deployed a full-stack AI advising platform serving tens to hundreds of users for major selection and schedule planning.	
• Implemented NLP-driven keyword matching and scalable data pipelines to deliver personalized course and major recommendations in real time.	
ML Dementia Classification — Pandas, TensorFlow, Statistical Analysis	May 2024 – Aug 2024
• Built an interpretable CNN with a self-engineered preprocessing pipeline for 4-class dementia staging, achieving 95% classification accuracy.	
• Presented project findings to the Dean of the College of Liberal Arts & Sciences at UIUC.	

CLUBS

Black, Indigenous, and Latino in Tech (B[U]ILT) — Member	Fall 2024 – Present
National Society of Black Engineers (NSBE) — Member	Fall 2022 – Present
Sports Analytics Society — Lead Machine Learning Engineer	Fall 2025
Sports Analytics by Minorities — Founder & President	Fall 2022 – Spring 2024