

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

Champaign, IL

Bachelor of Science in **Statistics**; Minors in **Computer Science** and Data Science

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

May 2025 – Aug 2025

Caterpillar Inc.

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

Feb 2025 – Sep 2025

Human-XR Interaction (HXRI) Lab, University of Illinois Urbana-Champaign

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

May 2024 – May 2025

State Farm

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