CHRISTINA JOSLIN

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PROFESSIONAL SUMMARY

As a **Stamps Scholar and undergraduate data science researcher** for the past three years, I am passionate about pursuing graduate study in data science or a related field.

EDUCATION

Purdue University - West Lafayette, IN **Graduation Date:** May 2026

Bachelor of Science in Data Science and Applied Statistics | **GPA:** 3.99

Honors: Stamps Scholars, ACM, Phi Beta Kappa, Phi Kappa Phi, John Martinson Honors College

PROGRAMMING SKILLS

Languages: Python, R, Java, SAS, SQL | **Tools:** Git, SLURM, Docker

Libraries (Python): PyTorch, TensorFlow, HuggingFace, Unsloth, Scikit-Learn, Pandas, NumPy, LangChain, Streamlit

Platforms: VS Code, Jupyter, Google Colab, RStudio | **Other:** LaTeX, Bash (Unix Shell)

Certifications: SAS Base Programmer (SAS, 2025), Deep Learning & Machine Learning Specializations (Coursera, 2024)

RESEARCH EXPERIENCE

NSF Anvil REU Student Intern – Rosen Center for Advanced Computing May 2025 - Present

- Developed AI-driven FAQs from 6,000+ HPC tickets using LLM fine-tuning, semantic clustering, and prompt engineering.
- Supporting GenAI Studio and Anvil GPT with Generative AI use-cases for CS education.
- Serving as student lead for Industrial Engineering Senior Design Capstone partnering with RCAC to develop an intelligent forecasting layer for customer support ticketing.

Undergraduate Research Assistant – Sustainable Transportation Systems Research Group January 2024 - May 2025

- Analyzed survey data from 2,000 Indiana residents on EV perceptions using ordinal regression, PCA, and latent class analysis in R to highlight EV adoption trends and charging infrastructure gaps.

TEACHING EXPERIENCE

Teaching Assistant – CAT Digital Corporate-Sponsored Projects January 2024 - December 2024

- Mentored 10–20 students on Scrum-based projects; led CAT EV charging app (patent 63/637,725) and sensor analytics dashboard with an integrated chatbot.

Undergraduate Teaching Assistant – CS 180 August 2023 - December 2023

- Assisted in teaching CS 180 (Intro to Object-Oriented Programming in Java) for first-year DS, CS, and AI students. Led 2 labs weekly, supported students with debugging and held office hours.

PUBLICATIONS

Joslin, C., Burns, D., Ashish, A., & Barezi, E. J. (2025, November). Generating Frequently Asked Questions from Technical Support Tickets using Large Language Models. *Proceedings of the SC '25 Workshops of the International Conference for High Performance Computing, Networking, Storage, and Analysis* (pp. 715-726). Association for Computing Machinery. https://doi.org/10.1145/3731599.3767429

Krause Moras, B. C., Joslin, C., & Gkritza, K. (2025, October). Used or new electric vehicles? Public preferences and market segments. *International Journal of Sustainable Transportation*, 1–14. https://doi.org/10.1080/15568318.2025.2572827