




# CHRISTINA JOSLIN

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## PROFESSIONAL SUMMARY

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As a **former Stamps Scholar** with **3 years of research experience**, I am committed to advancing research in **data science and related quantitative fields**.

## EDUCATION

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**Purdue University - West Lafayette, IN**

**Graduation Date:** May 2026

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

**Honors:** Stamps Scholars, Phi Beta Kappa, ACM, The Data Mine, John Martinson Honors College, Phi Kappa Phi

## PROGRAMMING SKILLS

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

**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

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**NSF Anvil REU Student Intern - Rosen Center for Advanced Computing**

May 2025 - May 2026

- Developed AI-driven FAQs from 6,000+ HPC tickets using LLM fine-tuning, semantic clustering, and prompt engineering.
- Fine-tuned an LLM on 3,000+ Data Structures and Algorithms question-answer pairs and developed an automated generation pipeline for undergraduate CS coursework
- Designed and delivered machine learning workshops for Purdue researchers and professionals
- Served 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

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**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

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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>