

DEVAN JOHNSON

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PROFILE SUMMARY

Physics and Data Science student at the University of Chicago with experience in software development and data-driven problem solving. Skilled in building scalable tools, automating workflows, and applying machine learning in research and industry projects. Strong leadership and teamwork developed through varsity athletics and cross-functional collaborations. Seeking opportunities to apply technical and analytical skills to solve complex challenges and deliver measurable impact.

EDUCATION

THE UNIVERSITY OF CHICAGO

Chicago, IL

Bachelor of Science in Physics

Minor in Data Science

GPA: 3.61/4.0

Expected Graduation: June 2026

Jonathan E. Persky, Omega '85 Merit Scholarship Award

Midwest Conference All-Academic Team 2023 and 2024

University Athletic Association Academic Honors 2025

Relevant Coursework: Principles of Engineering Analysis, Machine Learning, Data Visualization, Computer Science (Python), Intermediate Classical Mechanics, Advanced Quantum Mechanics, Thermal and Statistical Physics

TECHNICAL SKILLS

Programming & Data: Python (NumPy, Pandas, PyTorch), SQL/SQLite, Jupyter Notebooks

Web & Visualization: HTML, Alpine.js, Lucidchart, Matplotlib, Seaborn, Altair

Modeling & Design: Fusion 360

Productivity Tools: Microsoft Office (Excel, PowerPoint, Word, Teams), Google Suite (Docs, Sheets, Slides), LaTeX

PROFESSIONAL EXPERIENCE

Argonne National Laboratory ♦ Lemont, Illinois

June 2025 – Present

Research Aide

- Engineered a multilingual news scraping full stack application using Python and RSS feed parsing to track daily news across global sources, reducing manual research time by 50% and saving an estimated \$100K annually in labor costs.
- Integrated large language models (LLMs) via API for real-time article classification and relevance scoring, enabling rapid threat detection and prioritization in nuclear developments.
- Built a scalable database pipeline with SQLite and modular Python scripts to manage, classify, and retrieve thousands of articles per day, enabling continuous monitoring and automated alerting.
- Developed interactive material supply chain flowcharts using Lucidchart and research from technical publications, helping visualize bottlenecks and geopolitical risk factors.
- Produced a professional PowerPoint video presentation demonstrating a battery materials dashboard tool, supporting outreach efforts to Department of Energy stakeholders and internal leadership.

Creche Innovations, LLC ♦ Overland Park, Kansas

June 2024 – August 2024

Operations and Efficiency Summer Internship

- Developed a Python-based inventory management system to automate product tracking, reconciliation, and report generation in Excel for 300+ SKU's, eliminating reliance on manual logging and improving overall accuracy.
- Led a cross-functional team of 6 in a 3000 square foot warehouse reorganization project, redesigning storage layouts and workflows to improve space utilization, product flow, and retrieval efficiency.
- Produced instructional training videos for 5 medical carts using Microsoft PowerPoint, incorporating multimedia elements to enhance comprehension for new hires and potential buyers.
- Created and standardized assembly instructions for all medical cart product lines, ensuring consistent builds, reducing onboarding time, and supporting quality assurance across production.

EXTRACURRICULARS AND CERTIFICATIONS

Collegiate Varsity Baseball Player | University of Chicago

September 2022 – October 2025

- Maintaining a 3.61 GPA in STEM coursework while committing 20+ hours per week to practice, conditioning, and games.
- Serving as an upper-class leader by leveraging ISSA certification to provide input to players for workouts and nutritional guidance.

Psi Upsilon Omega Fraternity | University of Chicago

September 2022 – Present

- Held leadership roles in executive board operations, risk management, philanthropy, and house maintenance, contributing to the organization and operations of an 80-member chapter

Certified Remote Small UAV Part 107 Pilot | Federal Aviation Administration

ISSA Certified Personal Trainer and Nutrition Coach | International Sports Sciences Association