

# 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**