

Brett A. Porter

Junior Software Engineer/ Data Scientist

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Education

Governors State University

CS Bachelor's Degree (2025) / CS Master's Degree (present)
Cumulative GPA

University Park, IL
4.0

Experience

Governors State University (Grad Assistant Computer Science/ Statistics) University Park, IL June 2025 – Present

- Tutored students on all computer science/ statistics courses
- Assisted professors with any course related materials
- Coordinated with faculty for all events and drone delivery station activities

Governors State University (Data Analyst/ AI Developer Intern) University Park, IL Feb 2024 – May 2025

- Developed, analyzed, and maintained a regional geospatial information system
- Edited and queried relational databases for data consistency
- Generated statistical reports using AI tools and Python scripts
- Collaborated with a business team to define project requirements

Governors State University (Drone Technology in Healthcare Intern) University Park, IL Oct 2024 – Apr 2025

- Researched drone delivery systems and barriers to implementation in healthcare coordination
- Programmed autonomous flight and object detection features using Python and C
- Utilized Raspberry Pi, Arduino IDE, and ArduPilot to plan and test missions
- Integrated real-time obstacle detection using computer vision to improve flight safety

University of Notre Dame/ NASA funded (Software Engineering Intern) South Bend, IN May 2024 – Aug 2024

- Cleaned, transformed, and analyzed large datasets to support NASA-funded research
- Applied multiple clustering algorithms in Python to evaluate spatial data patterns
- Developed interactive dashboards and scripts to compare algorithm performance
- Presented results to research supervisors with visualizations and documented insights

Skills

- *Coding Languages* – Python, Java, SQL, HTML/ CSS, JavaScript, C++
- *Data Science* – Clustering, Data Analysis, Data Transformation
- *Technical Skills* – Software Development, Drone Aviation, GitHub

Clubs and Organizations

- *Founder, President* – Software Engineering Club (24/25)
- *Vice President* – Student Senate (24/25), Tau Sigma Honor Society (24/25), Innovation Club (24/25), GSU Psychology Club (24/25), Drone Engineering Club (23/24, 24/25)
- *Member* – College of Arts and Sciences Advisory Board (24/25)

Awards

- [Introduction to High-Performance Computing \(Argonne National Lab\) - Participant \(2025\)](#)
- [Student Leadership Awards – Unsung Hero \(2025\)](#)
- [Humanities Futures Fellowship - \(2024\)](#)
- [Tau Sigma Honor Society Essay Competition Scholarship - \(2024\)](#)