

EXPERIENCE

- Snowflake** — *Software Engineer Intern* 05/2023 - 08/2023
- Led project with the Developer Productivity team to create analytics tools for build systems and code health (Go)
 - Created a multithreaded CLI tool from scratch and onboarded 50 users with telemetry data collection (SQL)
- IMC Trading** — *Quantitative Trading Intern* 06/2022 - 08/2022
- Designed an algorithm for an autonomous trading bot that beat firm expectations by 5% in simulations (Python)
 - Changed model to predict if index options are bought or sold to improve accuracy by 20% or up to \$100k per month
- AbbVie** — *Software Engineer Intern* 01/2022 - 05/2022
- Automated backend database operations for chatbot analytics, saving 10 hours of developer time per month (SQL)
 - Hooked up backend to dashboard used by over 200 internal customers to monitor chatbot performance (Power BI)
- IBM** — *Artificial Intelligence Research Intern* 08/2021 - 12/2021
- Conducted NLP research at IBM's Center for Cognitive Computing Systems Research on academic paper clustering
 - Created a web user interface for interactive model output comparisons using Streamlit dashboards (Python)
- Twitter** — *Software Engineer Intern* 05/2021 - 08/2021
- Architected end-to-end, production NLP system which categorized 500 million tweets daily in 3 languages (Python)
 - Implemented a crowdsourced prediction feedback system and managed a \$10k budget for participants (Scala)
- Motorola Solutions** — *Software Engineer Intern* 01/2021 - 05/2021
- Constructed web dashboard for \$5M revenue cybersecurity analysis platform with dozens of corporate clients (Python)
 - Coordinated data pipelines between two companies under acquisition to streamline data for security platforms
- Illinois Risk Lab** — *Artificial Intelligence Research Intern* 08/2020 - 12/2020
- Constructed predictive statistical models from scratch for AI-Powered financial lifecycle planning service (Python)
 - Facilitated full-fledged data science pipeline: dataset selection to ensemble modeling for eventual deployment
- Northwestern University** — *Data Science Research Intern* 05/2019 - 01/2020
- Authored social network paper on online team formation that received thousands of downloads (R, SQL)
 - Presented research on online team social networks at conferences in Lisbon, Portugal, and Urbana-Champaign, IL
- Fermilab National Accelerator Laboratory** — *Software Engineer Research Intern* 08/2018 - 04/2019
- Refreshed antiquated histogram binning program with caching for particle physics analysis, doubling efficiency (C++)
 - Authored 2 publications on Monte Carlo simulations and presented work to physics research groups at 2 conferences

EDUCATION

- University of Illinois at Urbana-Champaign** — *M.C.S. (Master of Computer Science)* 05/2024
- Working towards a master's degree; GPA: 4.0
 - Taking courses in Database Systems, Human-Computer Interaction, Data Structures, and Statistical Learning
- University of Illinois at Urbana-Champaign** — *B.S. in Computer Science and Statistics* 05/2023
- James Scholar Honors Student; Dean's List (top 3% of class); GPA: 3.95
 - Mentored undergrads as code reviewer and teaching assistant for Software Design Studio class (Java, C++)

VOLUNTEERING

- Hack4Impact** — *Software Engineering Lead* 2019 - 2022
- Led a team of 8 young software engineers to develop software for partner education nonprofits (JavaScript, React)
 - Guided members through ReactJS frontend with ExpressJS backend, as well as setting up MongoDB databases

LANGUAGES & SKILLS

Python | Go | C++ | C# | Java | R | SQL | JavaScript | Shell/Bash | Google Cloud | MongoDB | Pandas | ReactJS | PyTorch