

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
 - Created internal product from scratch with Golang and onboarded 50 users with telemetry data collection
- IMC Trading** — *Quantitative Trading Intern* 06/2022 - 08/2022
- Designed an algorithm for an autonomous trading bot that beat firm expectations by 5% in Python simulations
 - Served as a quantitative trading intern on the index desk at one of the world's leading market-making firms
- AbbVie** — *Software Engineer Intern* 01/2022 - 05/2022
- Automated backend SQL database operations that were piped into a live-updating dashboard
 - Integrated backend with internal client-facing front-end dashboard used by thousands of internal employees
- IBM** — *Artificial Intelligence Research Intern* 08/2021 - 12/2021
- Conducted NLP research at IBM's Center for Cognitive Computing Systems Research with NLTK (under NDA)
 - Created a user interface for sample model output comparisons using Python and Streamlit
- Twitter** — *Software Engineer Intern* 05/2021 - 08/2021
- Architected end-to-end, production NLP system which categorizes 500 million tweets daily in multiple languages
 - Designed budget for closed-loop, crowdsourced prediction feedback that sources thousands of users with Scala
- Motorola Solutions** — *Software Engineer Intern* 01/2021 - 05/2021
- Constructed Python web dashboard for \$5M revenue cybersecurity analysis with hundreds of corporate clients
 - 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 with 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 that received thousands of downloads with research conducted using R and 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 data structures in C++ to modern standards that are still in use, doubling efficiency
 - Authored two publications and presented work to physics research groups at two conferences

EDUCATION

- University of Illinois @ Champaign** — *M.S. in Computer Science* 12/2023
- Working online, part-time towards a master's degree (able to begin full-time work while completing the degree)
- University of Illinois @ Champaign** — *B.S. in Computer Science and Statistics* 05/2023
- James Scholar Honors Student; Dean's List (top 10%)
 - Mentored undergrads as code reviewer and teaching assistant for Software Design Studio

VOLUNTEERING

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

LANGUAGES & SKILLS

Python | GoLang | C++ | C# | Java | R | SQL
Shell/Bash | Google Cloud | Pandas | ReactJS | PyTorch | TensorFlow