

# Harris Lynch

harris.lynch16@gmail.com | 847-704-0547 | hjlynch2.github.io

---

## EDUCATION

**UNIVERSITY OF ILLINOIS - URBANA CHAMPAIGN** | BS IN COMPUTER SCIENCE

GPA: 3.82 / 4.0 | May 2019

Study Abroad (Fall 2017) - University College Dublin, Ireland

## EXPERIENCE

**CITADEL | SOFTWARE ENGINEER**

July 2019 - Present | Chicago, IL

Commodities Weather Team | Jan 2020 - Present

- Support weather processing infrastructure and work with various Commodities desks to build solutions to meet their weather data needs
- Built weather ETL pipeline using Python, Kafka, MongoDB, and S3 and deployed via Kubernetes to AWS which sped up end-to-end processing by about 10x
- Developed Flask service for vending weather data to the Commodities desks, which returns data up to 60x faster than the old weather data API
- Work with weather analysts on a day-to-day basis to build various weather products and to integrate new datasets into our infra and API
- Managed a software engineering intern over Summer 2021 and led project to implement various speedups to the weather data pipeline

Commodities Execution Team (Rotation Program) | Sep 2019 - Jan 2020

- Wrote simulation script to replay trades for a given day to help debug algorithmic trading strategies

**CITADEL SECURITIES | SOFTWARE ENGINEERING INTERN**

Sept - Dec 2018 | Chicago, IL

- Lead development of application that exposed information available to servers connected to the exchanges
- Used C++ to create an easily extendable API that receives requests from a React frontend

**GOOGLE | SOFTWARE ENGINEERING INTERN**

Summer 2018 | Sunnyvale, CA

- Designed and implemented a data quality visualization system for a Cloud reliability pipeline using Python
- Ingested real time data from various sources to perform backend monitoring

**AT&T | SOFTWARE ENGINEERING INTERN**

Summer 2017 | Chicago, IL

## TECHNOLOGIES

Python | C++ | Kafka | MongoDB | Kubernetes | AWS | Datadog