

LINUS KOEPFER

New York, New York · linus.koepfer@gmail.com · (203) 993-1810

EDUCATION

Rensselaer Polytechnic Institute

BS Computer Science/Computer Systems Engineering (Dual Degree)

Minor in Economics

GPA: 4.0

Troy, NY

Sep 2017 – May 2020

EXPERIENCE

Citadel Securities

Systems Software Engineer, Research Data Platform

New York, NY

Feb 2022 – Current

- Designed and implemented next-generation market-data ingestion platform responsible for terrabytes of data per day; including cloud execution, native sharding and merging of larger-than-memory datasets, and robust monitoring and alerting.
- Led productionization and orchestration of new trade event data pipelines, scaling to thousands of publishing systems and allowing for configuration-driven user-managed data enrichment.
- Directly collaborated with quantitative researchers to encourage adoption of new trade event streams, developing data interfaces for multiple research systems and reconciling at scale to facilitate migration.

Bloomberg L.P.

Software Engineer, Technology Infrastructure CMDB

New York, NY

Sep 2020 – Feb 2022

- Spearheaded design and implementation of an application to link and track infrastructure assets across multiple disparate services, increasing asset coverage by over 80%
- Created asset coverage reports and dashboards covering all company infrastructure to provide visibility for upper management and external auditors
- Collaborated across multiple teams to onboard and consolidate domain-expert-defined datasets, automating API generation to reduce onboarding time by over five weeks

Software Engineering Intern

May – Aug 2019

- Implemented a GraphQL API consolidating multiple data sources to increase possible query complexity and reduce payload size by 90%
- Led team migration to a new Software Development Life Cycle, reducing onboarding time by 75% and containerizing local development to align with production environment

3M Health Information Systems, Inc.

Software Engineering Intern

Part-Time Software Engineering Intern

Meriden, CT

May – Aug 2018

Sep – Dec 2018

- Worked in a scrum team to integrate external REST API into legacy codebase, removing two-week delay in data acquisition, adding continuous integration, and increasing test coverage by 60%
- Designed and implemented a RESTful API to interface with medical coding and grouping data

SKILLS

Programming Languages: *Proficient:* Python, C++, Go

Intermediate: Java, JavaScript, HTML/CSS

Tools & Technologies:

Docker, Kubernetes, GraphQL, RESTful Web Services, SQL, Cloud Platforms (AWS, GCP), CI/CD (Jenkins, Helm, Spinnaker), Logging & Metrics (Grafana, Humio), Testing, Version Control (Git)

AFFILIATIONS

Upsilon Pi Epsilon Computer Science Honor Society, New York Eta Chapter

Eta Kappa Nu Electrical and Computer Engineering Honor Society, Beta Nu Chapter

INTERESTS AND HOBBIES

Backpacking, Cooking, Rock Climbing, Ultimate Frisbee, Music (Guitar, Piano, Saxophone)