

Zachary A. Kraehling

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PROFESSIONAL SUMMARY

Quantitative developer and enthusiast for all things Linux, risk, and math. Educational background is in data analytics and economics. Focus is in fixed income, object-oriented programming, and data analysis. Creator and maintainer of full-fred, an open-source Python API for accessing the Federal Reserve Bank of St. Louis databases.

EXPERIENCE

- **Fortitude Reinsurance** Nashville, TN
Investment Analytics Associate August 2023 – Present
 - Developed and maintained software to create interest rate scenario data for portfolio stress testing using Python, SQL, and AWS.
 - Designed interactive yield spread data validation streamlit dashboards in externally projected asset creation pipelines.
 - Created Python modules to scale asset manager cashflow data from security-level to lot-level.
 - Collaborated with and delivered cashflow projections to Actuarial and Capital teams in support of reserving requirements, daily hedging, and asset-liability management.
- **Clearwater Analytics** Boise, ID
Client Servicing Analyst December 2021 – August 2023
 - Validated investment data sets against cashflow predictions and third-party custody data.
 - Created standard operating procedures for quarterly investment accounting reporting projects.
 - Reconciled transactions and positions of investment portfolios using data received via third-party providers.
 - Supported insurance client queries within GAAP accounting, performance, compliance, and risk reports.
 - Integrated alternative investments including limited partnerships into client reporting workflow.

EDUCATION

- **Boston University** Boston, MA
Master of Science in Applied Data Analytics Candidate June 2020 – Dec 2021, Oct 2024 – Present
- **The Ohio State University** Columbus, OH
Bachelor of Arts in Economics August 2016 – May 2019
 - Cum Laude
 - Cofounder and President of Sports Analytics Society
- **Passed CFA Level 1 Exam** January 2025

SKILLS

- Languages: Python, SQL, Bash, Java
- Technologies: Linux, PostgreSQL, Git, AWS, FactSet, Docker

PROJECTS

- **full-fred:** Open-source Python library for financial and economic data analysis via St. Louis Federal Reserve.
- **bitcoin-network-tools:** Open-source Python library providing a wrapper for the Bitnodes API, a Bitcoin blockchain network health monitor.