

Alfred Ricker

Hopewell Junction, NY, United States | (845) 245-7293 | alfred.ricker7@gmail.com

EXPERIENCE

Bittlebits.ai, Seattle, WA (Remote)

Founding Engineer – May 2025 - Present

- Built a functioning full stack application from an empty repository.
- Accelerated feature shipment through focused and efficient use of AI coding agents.
- Developed and maintained Next.js frontend, Django backend, Postgres DB, and worker queues.
- Created a CI/CD pipeline through Github and serverless Docker containers in AWS.

Chimera Securities, LLC., New York, NY

Equity Trader – March 2024 - May 2025

- Executed trades on Nasdaq and NYSE listed equities using proprietary trading software.
- Developed data pipelines sourcing historical market data.
- Designed and implemented backtesting infrastructure with C++ and Python to study historical profitability of strategies.
- Entrusted with a 5x increase in trading capital within one year due to consistent performance and risk management.

Hivecell, Inc., Beacon, NY

Operations Management (Intern) – July 2020 - September 2021

- Analyzed enterprise resource software to determine compatibility with the business model.
- Researched sales pipelines and coordinated with the CFO and consulting teams.

EDUCATION

Fordham University, Bronx, NY

Bachelor of Science in Physics, Economics - *Graduated May 2023*

GPA: 3.6/4.0

RESEARCH

Lattice Quantum Chromodynamics (LQCD)

- Worked directly with a Fordham University researcher to develop Python code of graduate-level physics concepts.
- Optimized existing code by applying alternative algorithms and mathematical parameterizations.

SKILLS

Python, React, Next.js, Linux, Docker, AWS, C++, PostgreSQL, APIs, Bash, Git, Django, Rust, NixOS

RELEVANT LINKS

- Portfolio website: <https://www.alfredricker.com/>
- GitHub: <https://github.com/alfredricker>
- LinkedIn: <https://www.linkedin.com/in/alfred-ricker/>