

Arber Xhindoli

New York City | arber@arberx.com | arberx.com | 2487611781

Work Experience

Senior Software Engineer

New York, NY

Bitwise Asset Management

Sept 2021 – Present

- Developed and deployed sophisticated pricing algorithms for cryptocurrency indexes, including niche indexes targeting Non-Fungible Tokens (NFTs) assets. These engines are responsible for managing multi-million-dollar asset portfolios, offering round-the-clock pricing updates and portfolio rebalancing capabilities.
- Engineered an ELT (Extract, Load, Transform) pipeline, facilitating the integration of both raw and structured data from diverse sources, mostly from MongoDB. This integration has resulted in a centralized data warehouse, streamlining data access and manipulation. Utilized Business Intelligence tools to create and disseminate accessible, high-level visual representations of key company metrics.
- Significantly enhanced the Continuous Integration/Continuous Deployment (CI/CD) processes for all Bitwise repositories. This overhaul includes the integration of automated testing and deployment protocols, activated upon merging changes into main/master branches. These improvements extend to optimizing local development environments. The scope of projects encompasses the development of TypeScript servers, React front-end frameworks and dbt pipelines with deployment across various service platforms.

Software Engineer

New York, NY

Bloomberg LP

Aug 2018 – Sept 2021

- Worked on architecting, designing, and implementing a pluggable, distributed, open-source, cross-platform, and generic remote execution system for compiling, linking, and caching using existing build systems such as Bazel and GNU Make. See: <https://gitlab.com/BuildGrid/buildbox>

Instructional Assistant – EECS 485 (Web Systems)

Ann Arbor, MI

University of Michigan, College of Engineering

Sept 2017 – May 2018

- Writing and maintaining project specifications. Responsible for coordinating the creation of instructor solutions, generating test cases, and handling ambiguities. Also leading a weekly discussion section of forty students.

Software Engineer Intern

Phoenix, AZ

Garmin International

May 2017 – Aug 2017

- Implemented a 360-degree photo viewer for Virb 360, Garmin's cross-platform Android and IOS application. Improved functionality and design of Virb 360's music selection and playback features.

Education

University of Michigan

Ann Arbor, MI

Bachelor of Science Engineering BSE – Computer Science

September 2015 – May 2018

GPA: 3.5/4.0

Skills

C++, Python, TypeScript, Distributed Systems, Build. Systems, Web Systems, Bash Scripting, Test Automation