

**Mike Rolish**  
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Lakeville, Minnesota, USA

## Experience

- **Warlock Labs** Remote (Minnesota)  
July 2024 - January 2025
  - Researched and worked on initial development of an MEV searcher for Ethereum mainnet.
  - Miscellaneous crypto/DeFi research and minor projects.
  - Rust targeting Ethereum (including some Solidity and Huff).
- **Monachil Capital Partners** Remote (Minnesota)  
August 2023 - June 2024
  - Developed and maintained data pipelines and analytics for a private credit fund.
  - Python on Windows and Azure.
- **Geode Capital Management** Boston, MA  
August 2022 - July 2023
  - Worked with a small team for several months to build out a new data pipeline prototype.
  - Kotlin, Kafka, Flink, Iceberg, PostgreSQL, protobuf/grpc.
  - Developed and maintained analytics for the commodities PM team.
  - R and Python on Linux.
- **Dexterity Capital** Remote (Massachusetts)  
November 2021 - June 2022
  - Developed and maintained exchange connectivity and backtesting infrastructure at a crypto HFT firm.
  - Java and Python on AWS.
- **Venmo** Auburndale, MA/Remote (Massachusetts)  
September 2019 - October 2021
  - Engineer on the Payments team. Worked on the backend for features supporting millions of users including P2P payments, business profiles, and American Express integration.
  - Worked with SRE and infrastructure teams as on-call support for operations and deployments.
  - Python on AWS, including Django, MySQL, and MongoDB.
- **Walleye Trading** Plymouth, MN/New York, NY/Boston, MA  
October 2017 - August 2019
  - Developed and maintained software infrastructure for a technology-driven hedge fund, including execution, analytics, and back office.
  - Java on Windows and Linux.
- **Bloomberg** New York, NY  
February 2013 - September 2017
  - Developed and maintained software infrastructure for options order routing and algorithmic trading at the Tradebook agency broker.
  - Mainly C++ on AIX and Linux.
  - Spent six months in the Equity Application Framework group. Worked on adapting Cassandra and HBase to Bloomberg infrastructure.
  - C++, Java, Python on Linux.



## Education

### Massachusetts Institute of Technology

Cambridge, MA

- Master of Engineering in Electrical Engineering and Computer Science. September 2005.  
Bachelor of Science in Computer Science and Engineering. June 2005. GPA: 4.7/5.0.

### Indiana University East

Remote

- Bachelor of Science in Mathematics. Expected May 2026. GPA: 4.0/4.0.  
Various subjects in pure and applied mathematics.

### Cherry Hill High School West

Cherry Hill, NJ

- Diploma. June 2000. GPA: 4.0/4.0. Valedictorian. SAT I: Math: 800; Verbal: 800.  
Awards: National Merit Scholar; AP National Scholar; Member, 2000 US Physics Team.

## Skills

**Programming languages:** C/C++, Java/Kotlin, Rust, Python, SQL.

Earlier: Scheme, Perl, Assembly, QBasic.

**Cloud platforms:** Basic experience with AWS, Azure (AZ-900 certification), GCP.

**Operating systems and development environments:** Longtime GNU/Linux, emacs, and bash loyalist. Comfortable with JetBrains IDEs. Limited Windows development experience. Competent user of most modern platforms including Unix-likes, Windows, macOS, Android, and iOS.

**Mathematics:** Undergraduate-level understanding of calculus, linear algebra, probability and statistics, data structures and algorithms, number theory, abstract algebra, and real analysis. Clearly a fan of  $\text{\LaTeX}$ .

**Finance:** Passed CFA Level I exam. Experience with software handling market data and trading for equities/futures/options/crypto/private credit. Bloomberg Terminal experience. Basic Excel.

**Crypto/DeFi:** Various Ethereum tooling including Alloy, Foundry, Solidity, and Huff. Some familiarity with Uniswap and other DeFi platforms. Some experience with CeFi market data and trading APIs.

**Other:** Extensive musical performance experience across several instruments and genres, including guitar/bass/piano/voice. Experienced swimmer/cyclist/runner and completed several marathons and triathlons.