Igor Sylvester
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Engineering Partner, Trust Machines, Since 2022-06
Building and leading the core engineering team to grow the Stacks smart contract ecosystem.
Tech: Rust, GCP, Bitcoin, Ethereum, Cosmos, Cryptography.

Staff Software Engineer, Ads Optimization, Reddit, 2021-05 to 2022-06
Leading design and implementation of features, models and infrastructure for ads engagement models.
Leading team sprint planning and retrospective meetings.
Leading roadmap development alongside Product Manager and Data Science teams.
Tech: Python, Go, Java, Scala, Airflow, Tensorflow, AWS, GCP, Terraform.

Staff Software Engineer, Ads ML Infra, Facebook, 2021-01 to 2021-05
Developed PyTorch training modules for ad engagement models.

Staff Solutions Engineer, Facebook, 2019-04 to 2021-01
Lead about thirty projects to increase resilient revenue across offsite and offline signals.
Developed purchase intent advertising model for insurance products.

Quantitative Researcher, TLP Services, 2017-05 to 2018-12
Developed a trading simulator, order execution strategies, and data feed handlers.
Developed news sentiment and stock pairs trading strategies.
Developed gradient-boosted tree models using order book microstructure features.

Software Engineer Consultant, 2014-06 to 2017-05
Developed a trading simulator for an equity index futures strategy.
Implemented a tick data archive using Bloomberg Python API.
Developed a C# GUI front end for strategy management.

Quantitative Developer
Qianhai Asset Management, 2013-12 to 2014-05
Developed C++ trading infrastructure for the Shanghai Futures Exchange.
Managed two developers, assigned development tasks, and performed code reviews.

Software Engineer
Libertyship Capital, 2012-11 to 2013-09
Developed ETF arbitrage trading system with $50m of daily turnover.
Implemented a build-out of electronic equity trading capabilities, including server colocation, networking, data feed subscriptions, and trading software.

Senior Developer, Allston Trading, 2009-07 to 2012-10
Developed US-Canada dual-listed equity arbitrage trading system in Java.
Managed trading inventory and risk.

Financial Technology Associate, Citadel, 2007-07 to 2009-06
Developed ETF arbitrage system in C++.
Built Python tools for convertible arbitrage research.
Designed tick data storage system using HDF5.

Academics
Bachelors in Computer Science and Physics, MIT, 2002-09 to 2006-06.
Masters in Computer Science, MIT, 2006-07 to 2007-09.