

## Education

- **McGill University** Montréal, QC  
B.A. Computer Science (Major), Economics (Minor) Sept 2016 – Dec 2020  
– Algorithms & Data Structures, Operating Systems, Distributed Systems, Probability, Statistics

## Experience

- **Sei Labs, DeFi** Toronto, ON  
Software Engineer, Full Stack Nov 2024 – Feb 2026 (16 mo)  
– Built low-latency order lifecycle systems (placement, matching, settlement) under high-throughput exchange conditions  
– Designed hybrid off-chain orderbook + on-chain settlement architecture optimizing latency vs. finality on Sei network  
– Developed SDKs and APIs for trading and market data, improving integration speed by an estimated 2–3x
- **Insrt Labs, GameFi** Toronto, ON  
Software Engineer, Full Stack Jun 2024 – Oct 2024 (5 mo)  
– Built backend systems for token and retroactive points distribution across 10,000+ users on Blast network  
– Designed deterministic financial systems ensuring auditability and correctness of reward allocation for platform users
- **Vertex Protocol, DeFi** Toronto, ON  
Software Engineer, Front End Sep 2022 – May 2024 (21 mo)  
– Built trading interfaces and real-time execution systems for a platform processing \$100B+ in leveraged volume across 45+ markets  
– Developed core execution flows across perpetual futures, spot, and lending markets on Arbitrum network  
– Implemented WebSocket-based pipelines and position/PnL tracking used by active traders
- **Charged Particles, NFTs** Toronto, ON  
Software Engineer, Front End Sep 2021 – Oct 2022 (14 mo)  
– Contributed to protocol and SDK design for NFT-backed DeFi primitives managing tokenized yield  
– Built applications interacting with on-chain liquidity and composable asset flows
- **Broadsign Inc.** Toronto, ON  
Software Developer, DevOps & Infrastructure Nov 2020 – Oct 2021 (12 mo)  
– Designed and deployed AWS infrastructure (Lambda, CloudFormation, CI/CD) supporting production systems  
– Improved reliability and reduced deployment overhead through automation and monitoring
- **Genetec Inc.** Montréal, QC  
Software Development Intern, ClearID Team May 2020 – Aug 2020 (4 mo)  
– Built backend notification systems deployed across enterprise clients including Uber and ExxonMobil  
– Developed messaging services supporting access workflows across thousands of users
- **Nuance Communications Inc.** Montréal, QC  
Software Development Intern, Professional Services Sep 2019 – Dec 2019 (4 mo)  
– Developed Python-based data pipelines processing 100,000+ enterprise audio files  
– Integrated sound recognition systems for customer service call-routing deployed at TD and Verizon
- **RailVision Analytics, Start-Up** Montréal, QC  
Software Development Intern, RailVision Team Sep 2017 – Dec 2017 (4 mo)  
– Shipped and maintained fuel optimization applications used by GO Transit for fleet analysis and operational efficiency  
– Built an edit-distance model on train telemetry to identify inefficient driving patterns and reduce fuel consumption, saving 550,000+ liters

## Projects

- **Keystone Finance** [[keystonefi.xyz](#)] Mar 2025 – Present  
Founder / Engineer  
– Building ksUSD, a Solana-native bidirectional-carry dollar designed to earn from funding, lending, and staking  
– Implemented carry strategies including standard basis, reverse basis, and parked capital regimes  
– Built vault accounting systems for share-based NAV accrual, deposits, withdrawals, and automated rebalancing  
– Integrated Solana DeFi primitives including Drift, Kamino, Jito, and Jupiter for execution and capital routing
- **NFT Selfies** [[Auction Link](#)] 2022  
Creator / Engineer  
– Built an NFT marketplace integrating collectibles and identity primitives; sold via auction on Flippa for \$3,000
- **Blockchain Billboard** [[Auction Link](#)] 2021  
Creator / Engineer  
– Built an on-chain publishing app enabling immutable user-generated content; sold via auction on Flippa for \$2,000