

Michael Moschitto

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EDUCATION

2022-2023	CAL POLY SAN LUIS OBISPO <i>Master of Science in Computer Science 4.0</i> https://ieeexplore.ieee.org/document/11166437	San Luis Obispo, CA
2018-2022	CAL POLY SAN LUIS OBISPO San Luis Obispo, CA <i>Bachelor of Science in Computer Science 3.91</i>	

EXPERIENCE

2023 - Current	RIDGELINE [Node, React, TS/JS, Python, Kotlin, AWS] Software Engineer II - Applied Engineering, AI Platform <ul style="list-style-type: none">Architected an AI-driven agent framework enabling natural language browser control and composable agents for performance simulations and system validation to prove system scale by 2x.Developed a Python Data Analyst achieving > 80% analytical accuracy, extending the Kotlin AI platform with streaming and UI integrations and launching the Compliance Agent to streamline violation analysis.Built a Postgres performance testbench using production workloads to optimise query latency and database connection pooling, improving throughput and tuning accuracy for mission-critical workloads. Software Engineer I - Performance and Scale <ul style="list-style-type: none">Developed a Slack-based multi-agent system in LangChain/TS with memory persistence and hierarchical agent teams for reporting, operational, analytical, and performance testing workflows.	Incline Village, NV
2022	Software Engineering Intern [Node, React, TS/JS, Python, Kotlin, AWS] <ul style="list-style-type: none">Built a PDF generation tool to translate report definitions into formatted documents, enabling automated report creation and reducing manual formatting time for client deliverables.	
2020 - 2021	CAL POLY DxHUB POWERED BY AWS San Luis Obispo, CA Solutions Engineer <ul style="list-style-type: none">Delivered 93% model accuracy and 83% precision in detecting campus altercations by designing a computer vision pipeline (AWS S3 → ECS → SageMaker) for near real-time alerting.Built and trained a PyTorch ResNet34 classifier on large-scale video datasets for automated fight detection, enabling alert dispatch within seconds of event onset.Developed a Python + React NLP application for the World Bank ICP, using spaCy and bag-of-words models to automate like-with-like product matching and improve PPP estimation accuracy and speed.	San Luis Obispo, CA
	MEZO Remote Contract Full Stack Engineer <ul style="list-style-type: none">Enabled vendor and customer NFC card transactions through a point-of-sale app showcased live at Bitcoin Con, demonstrating Mezo blockchain capabilities and seamless real-time payments, built with Next.js, Supabase, Shaden, Electron, and Express.Drove new customer acquisition and engagement analytics by developing a desktop/mobile friendly giveaway and tracking platform for the Latin American Bitcoin & Blockchain Conference, leveraging Next.js, Supabase, and Vercel for high availability and real-time tracking.	

PERSONAL

HYPERLIQUID TWITTER ALPHA AGENT [Python/FastApi, Redis, Railway]
• Built a trading intelligence agent analysing on-chain data/sentiment to Tweet to the HyperLiquid community.
Sentiment-Based Trading [Python, Scikit-Learn, Keras, Alpaca]
REDIS [Go]
• Built a Redis-like in-memory database in Go, exploring persistence, concurrency, and command processing.
AI SONG RECOMMENDER [PYTHON, KERAS]
• Trained a Keras DNN to create playlists of Spotify songs according to a classical model of human moods.