



ELLIOTT J. LOPES

EDUCATOR - INNOVATOR - ENTREPRENEUR

Diverse experiences that highlight the ability to problem-solve, understand & communicate complex concepts, develop & manage complex systems, & empower individuals through education & blockchain technology:

- Designed multiple proprietary Decision-Making Frameworks (DMFs) integrating mathematics, machine learning, behavioral psychology, and statistical modeling.
- Developed college-level curricula in mathematics, economics, blockchain technology, and financial literacy.
- Built AI- and data-driven software applications spanning algorithmic trading, poker analytics, educational tools, and financial simulation.
- Co-founded and managed Loft 251, overseeing business operations, budgeting, regulatory compliance, strategic planning, and community relations.

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CREDENTIALS

St. John's University

Master's of Science (MS) in Math Education
Jan 2016 -May 2018

Hiram College

Bachelor's of Art (BA) in Mathematics & Economics
Aug 2010 -May 2014

Bard High School Early College

High School Diploma & 56 College Credits
Sep 2005 -Jun 2009

Hard Skills

Exceptional Skills with Microsoft/Google Suites: Word/Docs, Excel/Sheets, PowerPoint/Slides, Outlook/Gmail; **Adobe Creative Cloud:** After Effect, Audition, Dimensions, InDesign, Photoshop; Proficient Programming Skills in **HTML, CSS, Python, SQL, Javascript, Web3, React, Solidity**

Soft Skills

Fast Learner, Energetic, Great Public-Speaker, Strong Problem-Solver, Empathetic, Loyal, Honest, Friendly, Growth-Oriented, Motivational

Interests

Blockchain Technology, Poker, Futurism, Outdoors & Hiking, Traveling, Antiquing, Long Distance Running

EXPERIENCE

Mathematics & Finance Educator

Laboratory School of Finance & Technology, Bronx, NY
June 2016 - Present

- Developed & taught college-level mathematics curricula for Calculus & Probability & Statistics courses; consecutively doubled AP Calculus scores.
- Developed & taught a unique two-year finance curriculum, hosting industry professionals & covering diverse topics alongside former JP Morgan Exec.
- Founded the LSFT Investment Club to promote financial empowerment.

Co-Owner of NYC Nightclub

Loft 251 | Brooklyn, NY
May 2022 - May 2023

- Managed all regulatory components of the business, including drafting contracts & obtaining permits & licenses for NYC business operations.
- Oversaw the budget, taxes, payroll, & managed financial transactions.
- Booked clients for space rentals & secured investment for business growth.
- Composed business planning & operations documentation.
- Collaborated with police & community members to foster positive relationships.
- Served as the corporate backbone, ensuring smooth & compliant operations.

Higher Education Experiences

Educational Expert & Lecturer

Fordham University, New York, NY, July 2023

- Constructed python programs with web3 tools & other digital materials.
- Delivered insightful lectures on cryptocurrency, cryptography, & economics.

Adjunct Professor (Remote)

Alliance University (formerly Nyack College), New York, NY, July 2020

- Assumed duties of a college professor: preparing & delivered engaging lectures for Calculus & College Algebra courses & grading assessments.

Teaching Fellow (Remote)

Project Destined x REPLI, New York, NY, July 2020

- Lead a winning team of college students through Real Estate Marketing curriculum, weekly presentations, & challenges with leading marketing firms.

PROJECTS

Decision-Making Frameworks (DMFs) - ACDA (Almitate), ALTA, ANNA, ASBA, ATHA (Poker Buddy)

A collection of proprietary analytical frameworks that model, evaluate, and improve human and autonomous decision-making under uncertainty by combining mathematics, statistics, machine learning, behavioral science, and real-time data analysis.

- ACDA (Almitate) - Framework for analyzing expert decision-making and translating repeatable behaviors into trainable AI systems.
- ALTA - Machine-learning-powered autonomous trading framework that classifies market regimes, evaluates predictive models, and executes algorithmic trading strategies in real time; integrates ensemble learning, statistical modeling, backtesting, and automated execution across cryptocurrency markets.
- ANNA - Analytical framework for structured reasoning, probabilistic evaluation, and adaptive decision support.
- ASBA - Framework for systematic behavioral analysis and strategic optimization using quantitative metrics and structured evaluation.
- ATHA (Poker Buddy) - Poker decision-support framework that combines probability, expected value, game theory, and opponent modeling to recommend optimal decisions in real time.

InstinctTrader.io

Mobile application and web platform designed to improve trading intuition through interactive market simulation and behavioral analytics.

- Developed a cross-platform application using HTML, CSS, JavaScript, and mobile technologies.
- Simulates real-world financial markets to strengthen pattern recognition, timing, and risk management.
- Includes multiplayer competition, achievements, statistical tracking, and performance analytics.

cryptemactical

cryptemactical is a dedicated persona & platform for exploring, educating, & innovating within the dynamic world of cryptocurrency & blockchain technology. Through podcasts, social media, & website, cryptemactical strives to share web3 with the world at large & demystify the complexities of the crypto space to foster a deeper