# Adam Muzzarelli

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## EDUCATION

**UNIVERSITY OF CALIFORNIA LOS ANGELES**
Los Angeles, CA — *BS in Computer Science; BA in Economics*
**Expected Graduation June 2024**
Cum. GPA: 3.8
Dean's Honors List

**SAN MARIN HIGH SCHOOL**
Novato, CA
**Graduated June, 2020**
Cum. GPA: 4.38
ACT: 34
STEM Marin – Project based STEM program focused on critical thinking, communication, collaboration, creativity, and work ethic.

## EXPERIENCE

**Northrop Grumman** — Redondo Beach, CA
**Summer 2023**
 Software technical intern.

**Booz Allen Hamilton** — Los Angeles, CA
**Summer 2022**
 Created embedded system for cubesats that utilized ML for detection of ping flood cyber attacks.

**AYS Engineering Group, Inc.** — Petaluma, CA
**Summer 2019**
 Assisted in design of sewage and storm water systems using CAD. Ran percolation and survey field tests.

## PROJECTS

**SMRP** — *Trading Algorithm*
**June 2023 - Present**
 First moment arbitrage trading algorithm. Finds volatile mean reverting portfolios. Implemented with Python.

**Mirror Bot** — *Crypto Trading Bot*
**December 2022 - June 2023**
 Bot that tracks trades performed by specific crypto wallets and mirrors investments. Useful for small cap momentum trading. Implemented with Web3 and Python.

**Bartr** — *App Startup*
**November 2020 - June 2022**
 Hyper-localized trading platform for college students. Cross platform app design using Expo and Flutter. Developed UI/UX, frameworked business model.

**WSBot** — *Trading Algorithm*
**June 2021 - November 2021**
 Capitalizes on momentum plays from retail investors and surge of online trading platforms. Uses web scraping to create a watchlist of stocks.

## SKILLS

**Programming**
**Advanced:**
 Python, C++, Javascript, HTML/CSS
**Familiar:**
 R, shell, dart
**Frameworks:**
 React/NodeJS, Expo, Flutter, Web3
**Tools:**
 Web, Git, Linux, Visual Studio & VSCode, RStudio

## COURSEWORK

**Undergraduate:**
Machine Learning
Artificial Intelligence
Data Structures
Algorithms and Complexity
Programming Languages
Economic Forecasting
Econometrics
Computer Organization
Software Engineering
Operating Systems Principles
Logic Design Of Digital Systems
Computer Systems Architecture
Formal Languages and Automata

## LINKS

GitHub://AdamMuzz
Personal://github.io
LinkedIn://Adam-Muzzarelli
Bartr://bartr.app

## ACTIVITES

UCLA ACM - AI subfield
Phi Kappa Psi Recruitment Chairman
Phi Kappa Psi Housing Manager

## INTERESTS

Cooking, physics, digital art design, mountain biking, weight lifting