

# Ali Hosseinzadeh

Quantitative Analyst.

درباره من

Quantitative Analyst | PhD in Econophysics | ML, NN, LLM | Algorithmic Trading

I am a Quantitative Analyst and PhD candidate in Econophysics with a strong foundation in theoretical physics, applied mathematics, and financial modeling. I design and implement advanced algorithms using Python, MQL, and Mathematica, integrating machine learning, neural networks (NN), and large language models (LLMs) for market prediction, risk analysis, and automated trading. My work blends academic rigor with real-world financial insight, backed by strong problem-solving and coding skills.

[www.linkedin.com/in/ali-hosseinzadeh-5a0855239](https://www.linkedin.com/in/ali-hosseinzadeh-5a0855239)

تجربه‌های کاری

## Senior Quantitative Risk analyst

Charisma | شهریور ۱۴۰۳ تا حالا

As a quant, I am working on designing mathematical models, statistical data analysis for the analysis of the pioneering and most important recent project of Charisma, which is Charisma Cart. For more about Charisma Cart: <https://charisma.ir/debit-card>

## Quant Scientist/Mathematical Game Economist

LandRocker | خرداد ۱۴۰۳ تا شهریور ۱۴۰۳

As a Quant Scientist, I design mathematical models for the in-game economy of a play-to-earn game called Land Rocker, within the context of blockchain technology. The game currently has more than 200 thousand users, and its token, LRT(<https://coinmarketcap.com/currencies/landrocker/>), operates on the Polygon network. Amazingly, based on my simulations and models, we can estimate the game's dynamics. Furthermore, I have simulated the macroeconomy of Land Rocker and its token, LRT, using stochastic simulation. In addition to this, I conducted statistical and data analysis on the in-game economy and the token. I also designed a bot using generative AI to automate certain tasks of the model.

## Quant Analyst

Rahavard Refah Brokerage | آذر ۱۴۰۲ تا خرداد ۱۴۰۳

Skills: Algorithmic Trading · Quantitative Analysis (Finance) · Mathematical Modeling · Data Analysis

## AI Developer for Algorithmic Trading

AradWare | مرداد ۱۴۰۲ تا آذر ۱۴۰۲

Skills: Artificial Intelligence (AI) · Quantitative Analysis (Finance) · Python (Programming Language) · Statistical Data Analysis · Machine Learning



اطلاعات تماس

تماس از طریق جابینجا

اطلاعات شخصی

سال تولد: ۱۳۷۵

وضعیت سربازی: معافیت تحصیلی

وضعیت تأهل: مجرد

زبان‌ها

انگلیسی (حرفه‌ای)

## Research Assistant

اسفند ۱۴۰۱ تا حالا | Center For Complex Networks and Social Data Science

[/https://ccnsd.ir](https://ccnsd.ir)

## Researcher

مهر ۱۴۰۱ تا مهر ۱۴۰۲ | IPM - Institute for Research in Fundamental Sciences

Skills: Mathematical Physics · Mathematical Modeling

## سوابق تحصیلی

### Ph.D. student of Econophysics (دکتر)

Shahid Beheshti University (دانشگاه بهشتی) | ۱۴۰۲ (در حال تحصیل)

Application of physics and math and AI to the finance, supervised by Dr. Ali Hosseini (Assistant Professor Physics, Shahid Beheshti University, Tehran, Iran)

"My thesis is an investigation to create and develop some physical and mathematical concepts (in other words, using mathematical physics) in economics and finance."

ranked one in class

### Master of Theoretical Physics (کارشناسی ارشد)

Kharazmi University | ۱۳۹۹ تا ۱۴۰۱

ranked one in class

## مهارت‌های حرفه‌ای

Python · mathematica · ++C · MATLAB · Microsoft Visual Studio · Machine learning · Statistics · Mathematical Modeling · SPSS · Algorithmic Trading · Ai · wolfram mathematica · Large Language Model · Neural Networks



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