

Matin Nikoomanzar

Los Angeles, CA · Matinnekoomanzar@gmail.com

linkedin.com/in/matin-nikoomanzar · github.com/MatinNikoo · matinnikoo.github.io

EDUCATION

University of California, Los Angeles | *Kaggle class competition, 3rd of 23 teams* Expected Mar 2028
Intended B.S. Statistics and Data Science / B.A. Business Economics / Minor in Entrepreneurship

GPA: 3.57 · **Coursework:** Probability, Mathematical Statistics, Linear Models, Experiment Design, Machine Learning

De Anza College | *Dean's List (7 quarters), ICPC Pacific Northwest Regional* Mar 2025

A.S.T. Mathematics / A.S.T. Computer Science / A.S. Liberal Arts, Science, Math and Engineering

Coursework: Multivariable Calculus, Linear Algebra, Differential Equations, Discrete Math, Data Structures

PROJECTS

Skeptic, AI Data Analyst | *Python, JavaScript, WebGPU* Private beta fall 2026
getskeptic.pages.dev · open source checks: github.com/MatinNikoo/skeptic-checks

- Building an AI analyst that reruns A/B tests and backtests, catches misleading charts and fact checks reports.
- Wrote its statistics engine from scratch, so each number is recomputed or traced to the data, or flagged.
- Building Gosset, my own model, by fine tuning Qwen3 4B with LoRA on 12,000+ worked checks from that engine.
- Runs Gosset offline on the user's GPU in 4 bits so data stays local, with a cloud model for the heavy jobs.

A/B Testing Library | *Python, SciPy, pytest* github.com/MatinNikoo/abkit

- Built a library, CLI and browser lab for A/B tests with CUPED, Bayesian, sequential and group sequential tests.
- Ran 127 simulations with known answers, which caught two bugs. Peeking gave 39% false positives vs 2%.

What Gets an App to 100K Installs | *Python, scikit-learn* github.com/MatinNikoo/play-store-analysis

- Found that my first model's 0.86 AUC on 2.2M Play Store apps leaned on data only known years after launch.
- Rebuilt it on launch day facts (0.84 AUC) with odds of reaching 10K to 1M installs, plus a web simulator.

Unchart, Chart to Data App | *JavaScript, OCR, ONNX* github.com/MatinNikoo/unchart

- Reads a chart image back into data in the browser, with an error bar on each number and a flag when it's unsure.
- Tested on 618 held out charts in 22 types. Beat Google's DePlot 23 to 4 on 27 shared charts and ran 40x faster.

Trend Following as Crash Insurance | *Python, pandas* github.com/MatinNikoo/momentum-backtest

- Tested the 50/200 day rule back to 1927. It lost less in 9 of 10 bear markets but cost \$5,400 a year per \$100K.

Internet Shutdowns and GitHub Activity | *Python, SQL* github.com/MatinNikoo/internet-shutdowns

- Built a synthetic Iran from 106 countries. Its 2026 blackout cut GitHub pushes 59% to 69%, tested with placebos.

EXPERIENCE

Service Desk Technician Intern | *Edelman Financial, Santa Clara, CA* Jun 2025 to Sep 2025

- Resolved hardware, software and network tickets for a national wealth firm, with 95% fixed on first response.
- Cut average turnaround 25% by writing clearer docs and standardizing how we troubleshoot.

CIS Tutor and Teaching Assistant | *De Anza College, Cupertino, CA* Apr 2024 to Aug 2025

- TA for Python, Data Abstraction and Structures, and x86 Assembly. Tutored 20+ students a week in programming.

Stagehand and A/V Technician | *Live Nation Entertainment, Santa Clara, CA* Apr 2024 to Present

- Work A/V for 12+ live productions, including Google I/O 2025 and a RÜFÜS DU SOL show.

LEADERSHIP

Founder and Vice President, Iranian Association Club | *De Anza College, Cupertino, CA*

- Grew the club from 0 to 54 members as VP over two years, earning a Leadership Certificate.
- Raised money and teamed up with the Armenian and Middle Eastern clubs. Also an AI Future Club officer.

TECHNICAL SKILLS

Programming: Python, R, SQL, JavaScript, C++, Java · **Tools:** Git, GitHub Actions, pytest, LaTeX

ML and Data: scikit-learn, PyTorch, LightGBM, pandas, NumPy, SciPy, Matplotlib, Colab, Tableau, Excel

Statistics: hypothesis testing, Bayesian inference, causal inference, time series, experimental design, resampling

Certifications: Google Data Analytics, IBM Data Analyst · **Languages:** English, Persian