

Advik Chaudhary

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EDUCATION

The University of Chicago

B.A. in Economics, B.S. in Computer Science. Davis UWC Scholar.

Courses: Honors Microeconomics, Linear Algebra, Systems Programming III, Mechanics.

GPA: 3.89/4.00

Chicago, IL

Sept '23–June '27

United World College of Southeast Asia (UWCSEA)

IB Diploma

IGCSE Diploma

Advanced Economics, Math, Physics

GPA: 4.00/4.00 (A* in all nine subjects)

GPA: 4.25/4.30 (Points: 44/45)

Singapore

Aug '19–Aug '23

INTERNSHIPS

Millennium Capital Management, Hedge Fund *Intern (Freshman)*

[Presented](#) trading module for PMs, generated \$70k PnL while there. Backtested/developed strategies, including: IMM seasonal study, UST auction dates/PMI/ESI vs. yields. Developed CTA-style systematic strategies (MA/BB with variable positioning & drawdown management) and used rolling genetic algorithms. Created terminal app to suggest trades and aid manual trading.

Singapore

Aug '24–Oct '24

Created stock analysis report on Tesla using discounted cash flow model with trade recommendation (gave “underweight” rating). Worked with Senior Portfolio Manager to analyze findings and develop [report](#).

Singapore

Sep '21–Jan '22

BlueCrest Capital Management, Hedge Fund *Intern*

Developed software (locally-hosted, used JavaScript/HTML/CSS for GUI and Python for backend) that analyzes correlations between currencies and derives implied correlations from FX Options Vol market. Software utilized statistics such as Z-score & data from Bloomberg to identify trading [opportunities](#).

Singapore

May '21–Aug '21

ACADEMIC ACTIVITIES

Derivatives/Quant Trading Club & Edge Entrepreneurship *Club Member*

Quant Trading: covered options, futures, ARMA, non-linear vol models (ARCH/GARCH).

Edge: lectures from CTA, software, and biotech founders. Working on college advising startup.

Univ. of Chicago

Oct '23–Present

Electron Paramagnetic Resonance (EPR) Spectroscopy *Researcher*

Worked with Prof. Doros Petasis, Allegheny College, PhD Carnegie Mellon University. Analyzed EPR spectra of DPPH and MnCl₂ to deduce electron structure, published research [paper](#) in JSR.

Singapore

Sep '22–Oct '22

Quantum Computing *Researcher*

Explored quantum computing under guidance of Prof. Ching Hua, National University of Singapore (NUS). Built and compared portfolio optimization algorithms through Qiskit software on IBM's quantum computer, documented in working [paper](#).

Singapore

Oct '22–Jan '23

AWARDS

NGO Leadership Award *CMO Asia*

Selected for [award](#) across Asia for “contributing value & making a change” with my non-profit *Passion to To Serve*. Jury included ex-president of ‘The Economic Times’ and other leaders.

Singapore

Aug '22

Gold Award Recipient *National Youth Achievement Award (NYAA)*

Selected as one of 30 awardees in Singapore, between 16 and 30 years of age. Awarded by Mr Heng Swee Keat, Deputy Prime Minister of Singapore for work by my non-profit, among other activities.

Singapore

Jul '22

LEADERSHIP

Passion To Serve, a Non-Profit *Founder and Chief Executive Officer*

Built [organization](#) to tackle inequality in education and access to essential items. 150 volunteers, and board of directors. Served around 6,500 total [beneficiaries](#), collaborated with Singapore's Ministry of Manpower (US\$ 100,000+ in-kind funding) and 8 NGOs.

Singapore

May '20–Present

Shan You, a Non-Profit in Singapore *Volunteer and Innovator*

Ideated and developed automated software solution (with Python) as alternative to previously manual website data scraping process. 3 days of manual data work could now be completed in 90 minutes. “It is a major breakthrough to help to speed up work” – Shan You.

Singapore

Nov '19