

Palash Taneja

<https://palashtaneja.com>

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EDUCATION

- **University of Texas at Austin** Austin, TX
BS Computer Science; Natural Sciences Scholar Aug 2019 – Dec 2022
Computer Networks, Concurrency Hon., Quantum Computing Hon., Operating Systems Hon., Machine Learning Hon.

EXPERIENCE

- **Actively AI** New York, NY
Team and Product Lead Jun 2025 - Now
 - Leading a team to develop a domain-specific AI for account executives that learns from thousands of calls and emails to create selling strategies and replace manual workflows
 - Account executive agent was featured at OpenAI Dev Day by Sam Altman
 - Developed a new ontology for compressing and representing sales data for access by LLMs
- **Citadel Securities** New York, NY
Senior Quantitative Developer Feb 2023 - Jun 2025
 - Individually developed a real-time alerting platform to capture \$13 million annualized PnL
 - Created an automated post-trade reflection system in C++ that found a \$15 million/year systematic gap
 - Wrote a parser that translates a DSL to KDB+ q syntax, to enable consolidation of global systems
- **Citadel Securities** New York, NY
Software Development Intern June 2022 - Aug 2022
 - Devised an automated strategy that outperforms human traders in a critical multi-million \$/day options workflow
 - Implemented data pipeline and live evaluation system in C++ to test strategy against manual trader actions
- **Bloomberg L.P.** New York, NY
Software Engineering Intern May 2021 - Aug 2021
 - Aggregated user analytics across a global distributed system, developed compression: saves \$1-2 million annually
 - Provided rich query support, speedup by developing search engine service in Solr for news data visualization
 - Designed anomaly detection fuse for machine learning system in scikit-learn using statistical analysis

RESEARCH AND TEACHING

- **Operating Systems Teaching Assistant** Jan 2021 - Present
 - Taught C++ for systems programming, multithreading, virtual memory, file systems, networks to 50 students
 - Researched using LSTMs for a cache replacement policy that has an 8.9% cache hit-rate improvement over LRU

HONORS AND PUBLICATIONS

- **Grand Prize Winner, Google Code-in:** International contest for developing software with 3555 participants
- **Recognized at Apple WWDC 2019 and 2020:** featured on apple.com, presented pandemic simulator to CEO Tim Cook and he tweeted about it
- **IOI:** 64 / 8000 students who qualified for Indian National Olympiad in Informatics: programming contest.
- **UT Austin Natural Sciences Waiver:** highly competitive scholarship awarded to <10 students out of 12,000 undergraduates
- **Jane Street SEE:** Among 32 students selected nationally for quant education program, played electronic trading games, attended lectures on Bayesian thinking, market-making, arbitrage, biases
- **ASES Stanford:** Winner, Entrepreneurship summit organized by ASES Stanford University
- **MIT IEEE:** Paper on detecting Parkinson's diseases using handwriting samples and recurrent neural networks

SKILLS

- **Languages:** C++, Python, Javascript, Java, Swift, Go, Rust
- **Technologies:** Kafka, Solr, Cuda, Pandas, Numpy, Scikit-learn, Tensorflow, PyTorch
- **Interests:** Hip-hop dancing, Boulderling, Aviation, Architecture, Photography