

Palash Taneja

<https://palashtaneja.com>

Email : palash@utexas.edu

Mobile : +1-737-888-9221

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, Bouldering, Aviation, Architecture, Photography