

Challenge the Impossible in Trading





Our Mission

Citadel Securities is a leading global market maker and quantitative trading firm. We hire the brightest minds in mathematics, technology, science, finance, and business management, who work together to tackle complex challenges and identify opportunities in the markets.

We create unparalleled internship and full-time career opportunities by giving team members more responsibility and backing them with greater resources than other firms.

03

We're driven by six core values

- Integrity • Winning • Meritocracy
 - Learning • Extraordinary Colleagues • Mutuality
-



ABOUT
US



Peng Zhao
CEO of Citadel Securities



Fortune's "40 Under 40" recognizes the "disruptors, innovators" and other types of young leaders influencing business.

Peng oversees all market making activities, including trading, sales, research, and technology. In 2019, *Fortune* magazine named him one of the "40 Under 40" most influential young business leaders. He previously served as Head of Global Market Making, where he oversaw the firm's global strategies across all touch points to the market: direct on-venue market making, retail brokerage flow, and institutional client flow.

Peng began his career with Citadel Securities as a Senior Quantitative Researcher in 2006, immediately after completing a doctorate in statistics at the University of California, Berkeley.

Peng received a bachelor's degree in applied mathematics from Peking University prior to attending UC Berkeley as a Berkeley Fellow.



Key Facts

We make markets in more than
8,000
U.S.-listed securities and more than
16,000
OTC securities worldwide

We trade in

35+
Countries

Trading presence across the Americas, EMEA, and APAC¹

We are registered with the
SEC, FINRA, CFTC,
UK FCA, + HK SFC



Key Dates

2002

We launched Citadel Securities and entered the electronic options market making business, becoming the industry leader within 18 months.

2016

Citadel Securities became the #1 Designated Market Maker on the NYSE. 2016 also saw trading surges at critical historic moments, with Citadel Securities managing a more than 3x volume increase following the U.S. election and over 4x increase during the initial vote on Brexit. Citadel Securities was named one of the 50 best workplaces in the U.S. for recent college graduates by *Great Place to Work*.

2017

We launched the Data Open, a datathon competition for the world's best intellectual athletes.

2018

We accelerated expansion in a number of regions across the globe.



Product Highlights

Equities & Options

We execute
approximately 21%
of all daily U.S.
equities volume

and 39% of U.S. retail
equities volume¹

FICC
Over
\$5 trillion

U.S. Treasuries traded on
eSpeed and BrokerTec²

¹ Source: Measured based on publicly reported total transaction volume during the 12 months ending Q1 2019. ² Source: eSpeed and BrokerTec rankings report for 2019.



06

CHALLENGE THE IMPOSSIBLE

Systems Engineer / Data Engineer /
The 110 Trader Development Program /
Quantitative Researcher / Network
Engineer / Quant Developer /
Site Engineer / Software Engineering
Development Program /
DMM Relationship Manager /
Software Architecture / Quantitative
Research Analyst / Trader /
Fixed Income Trader / Options Trader /
Quantitative Algorithmic Developer /

07

1

Job Spotlight

Quantitative Researcher

The Quantitative Research (QR) team at Citadel Securities develops and implements next-generation valuation models and electronic trading approaches in the world's most competitive and dynamic markets. As markets continuously evolve, QRs keep Citadel Securities at the forefront by constantly adapting models and strategies to identify market opportunities around the globe. In this role you would:

- Apply advanced statistical techniques to complex data sets as a way to model markets
- Research and test hypotheses about markets
- Create proprietary trading algorithms that drive our performance

"We are not just working with big data — we are working with big, important data. The math problems we solve in here make the world better out there."

— Sahand Rabbani, Senior Quantitative Researcher

2

Job Spotlight

Software Engineering Development Program

Our software engineers solve some of the most challenging problems in finance by providing innovative solutions that have quick, real-world impact. As part of the Software Engineering Development Program, you'll work side-by-side with quantitative researchers and traders to design, develop, and deploy cutting-edge software. In this role you would:

- Partner with business leaders to define priorities and deliver custom solutions
- Work on projects involving one or more of the following disciplines: distributed computing, natural language processing, machine learning, platform development, networking, system design, and/or web development.
- Program in one or more of the following languages: C, C++, Python, R, C#, or JavaScript.

"I was attracted to trading because of how diverse our toolkit is of cutting-edge technologies that can be applied to meaningful problems."

— Josh Woods, Head of Systematic Trading Technology

3

Job Spotlight

The 110 Trader Development Program

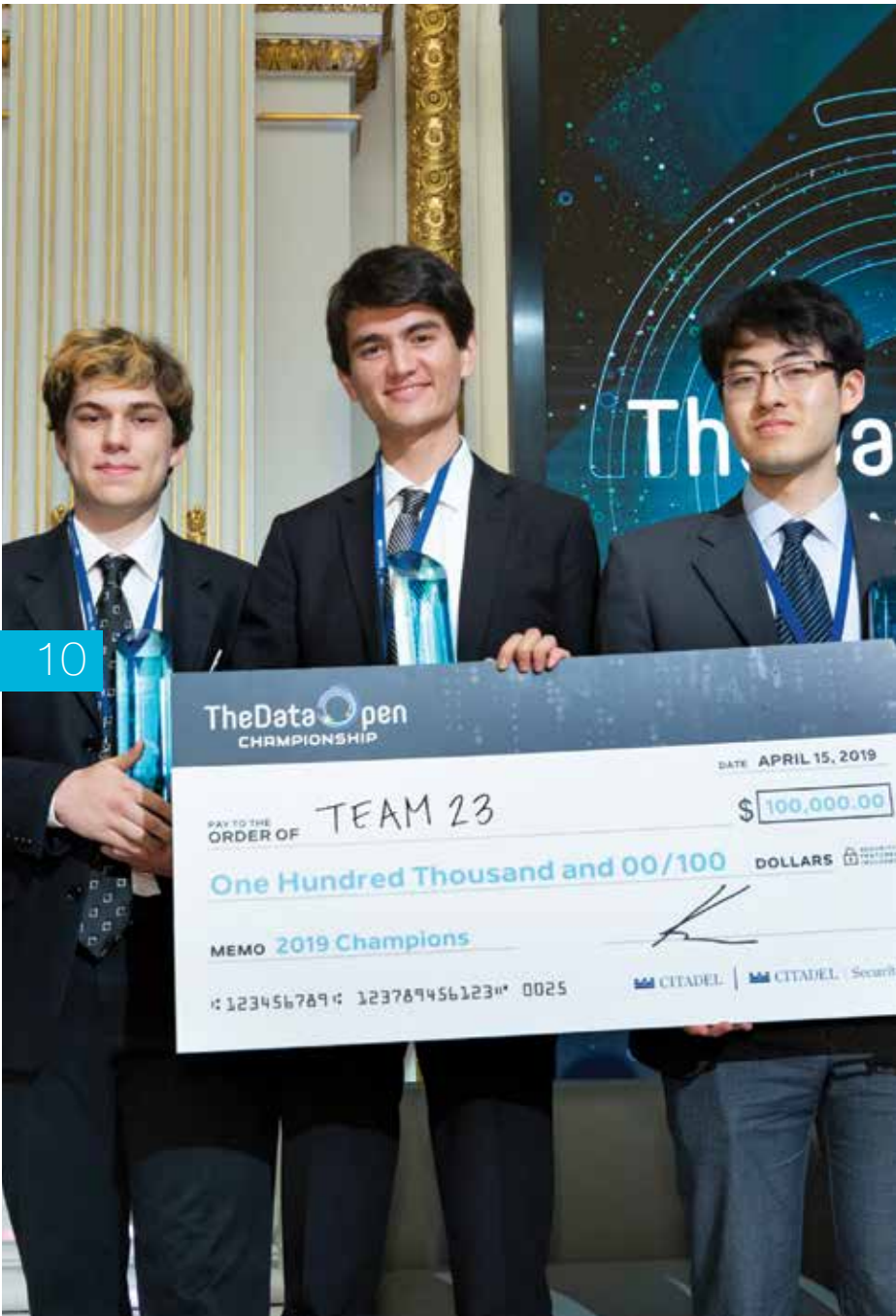
You're a bold thinker and a continuous learner, and you want to challenge yourself at the start of your career. If you commit 110% throughout the program, we believe you'll accelerate your career success — as a trader — by the same degree.

- Your objective will remain constant during and after the program: win with integrity. At the same time, you'll get the opportunity to showcase your ability to constantly innovate.
- More information at on.citadel.com/110

"The relationship between traders and other teams at the firm is a true partnership. This partnership, along with development opportunities such as The 110, gives traders the tools they need to succeed and make a lasting and positive impact on the financial markets."

— Solomon Barnett, Senior Trader





The Data Open

Where the world's best intellectual athletes come to compete.

If you excel in math, computer science, or technology, then The Data Open is your next big challenge.

At each event, participants work in teams to explore and analyze a large, complex data set and then present their findings to a panel of judges. This is an opportunity for exceptional problem-solvers to:

→ Explore

everything you love about vast data sets to discover groundbreaking insights

→ Build

data-driven apps to develop real solutions to socially impactful problems

→ Win

\$25,000 in cash and eligibility to interview

Apply at thedataopen.com

The Citadel Securities Experience

We care about your career and development.

→ CONTINUOUS LEARNING

Our dedicated Learning & Development team matches employees with industry experts to provide personalized skill development. Team members are encouraged to pursue advanced degrees.

→ EVENTS

CONNECT//EVENTS provides access to exclusive events for colleagues, friends, and families. From box seats at stadiums to theater buyouts and cooking classes, you'll bond with colleagues at global and local events.

→ WOMEN AT CITADEL SECURITIES

With CONNECT//WOMEN, women at Citadel Securities gain information and exchange ideas with other female colleagues and industry professionals through correspondence, community, and events. The program features a speaker series, conferences, networking, and volunteer opportunities.

→ COMMUNITY

CONNECT//COMMUNITY encompasses our commitment to the communities where we live and work. From civic engagement to philanthropy and service, we support institutions and organizations that improve and enrich our communities. And we partner with organizations that facilitate learning and create opportunity through education.

→ BENEFITS

We offer a full array of benefits, including medical and dental plans, retirement savings plans, gym membership subsidies, and more.

Explore our roles and apply now.
on.citadel.com/csapply

Global Locations
Chicago / New York / Austin
/ London / Hong Kong /
Toronto / Shanghai / Sydney
/ Dublin / Zurich





Explore our roles and apply now.
on.citadel.com/csapply

SECURITIES AND FX ACTIVITIES IN THE U.S. ARE CONDUCTED BY CITADEL SECURITIES LLC, MEMBER FINRA AND SIPC.

THIS DOCUMENT DESCRIBES INFORMATION ABOUT CERTAIN CITADEL SECURITIES PRODUCTS AND/OR SERVICES AS OF THE DATE SET FORTH HEREIN. THIS INFORMATION MAY CHANGE AT ANY TIME FOR ANY REASON AND WITHOUT NOTICE AND SHOULD NOT BE RELIED UPON BY RECIPIENT UNDER ANY CIRCUMSTANCES. THIS MATERIAL IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT INTENDED AS AN OFFER OR A SOLICITATION TO BUY OR SELL ANY SECURITY OR OTHER FINANCIAL INSTRUMENT.

THIS DOCUMENT AND THE INFORMATION IT CONTAINS IS STRICTLY CONFIDENTIAL, CONTAINS CITADEL LLC PROPRIETARY INFORMATION, AND MAY NOT BE DISCLOSED TO ANY PERSONS OTHER THAN THOSE FOR WHOM IT IS INTENDED, NOR SHOULD THIS DOCUMENT OR THE INFORMATION IT CONTAINS BE COPIED, DISTRIBUTED, OR REDISTRIBUTED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF CITADEL LLC.

THIS MATERIAL DOES NOT CONSTITUTE AN OFFER, SOLICITATION, INVITATION OR INDUCEMENT TO PURCHASE, ACQUIRE, SUBSCRIBE TO, PROVIDE OR SELL ANY FINANCIAL INSTRUMENT. THIS MATERIAL DOES NOT CONSTITUTE OR FORM PART OF ANY INVITATION, SOLICITATION OR INDUCEMENT TO ENGAGE IN INVESTMENT ACTIVITY (FOR EXAMPLE, UNDER SECTION 21 OF THE FINANCIAL SERVICES AND MARKETS ACT 2000 (AS AMENDED)). THIS MATERIAL DOES NOT CONSTITUTE A RECOMMENDATION REGARDING ANY FINANCIAL INSTRUMENT AND MUST NOT FORM THE BASIS FOR OR BE RELIED ON IN CONNECTION WITH ANY CONTRACT OR INVESTMENT DECISION. IF YOU ARE CONSIDERING ENGAGING IN ANY INVESTMENT ACTIVITY, YOU SHOULD SEEK APPROPRIATE INDEPENDENT FINANCIAL ADVICE AND MAKE YOUR OWN ASSESSMENT.

ALL TRADEMARKS, SERVICE MARKS AND LOGOS USED IN THIS DOCUMENT ARE TRADEMARKS OR SERVICE MARKS OR REGISTERED TRADEMARKS OR REGISTERED SERVICE MARKS OF CITADEL LLC.