



Quantitative Trader summer internship

About Jane Street

Jane Street is a quantitative trading firm with a focus on technology, a scientific approach, and a deep understanding of the markets. We are a global liquidity provider and market maker, operating around the clock and around the globe, employing over 500 people in our offices in New York, London and Hong Kong.

The markets change rapidly, and we need to change faster still. Every day, we come to work with new problems to solve, new systems to build, and new theories to test. Technology is at the core of how we approach that work and developers are intimately tied in to every area of the business.

We are big believers in functional programming, using OCaml, a statically-typed functional programming language, as our primary development language. We also believe in the value of open source software, using it in our daily work and releasing hundreds of thousands of lines of our own code as open source.

About the Role

Interns at Jane Street have the opportunity to learn about market making, trading and pricing financial derivatives. You will likely split your internship between two different trading desks, ensuring you gain exposure to at least two asset classes and work on at least two different projects. All of our interns will spend several weeks in one of our overseas offices, participating in further training and orientation.

With the guidance of an experienced trader, you will spend your days solving trading-related problems using your programming skills and personal insights. Some intern projects are on the more technical side, for example you might build a new monitoring system that will alert traders to interesting situations in the marketplace. Other internship projects focus on modelling, and as you might spend time looking at a new way to model an ADR or an option for example, you might also try to adjust aspects of current models at Jane Street that need improvement. As an intern, you might work on historical studies of market data to come up with new trading strategies, you may be involved with building infrastructure that will allow you to test data and run simulations, helping traders determine if a new trading strategy is worth pursuing.

Alongside your project work, you will participate in structured classroom learning and mock trading, where both trading theory and practice are covered.

Required Skills and Traits

- You will hold at least a Bachelor's degree in a quantitative subject.
- You will have a strong interest and aptitude for programming.
- You will be excellent quantitatively, with a good understanding of probability and statistics.
- You will have the ability to work in close knit teams in a highly pressured environment.
- Strong communication skills and the ability to explain complex technical issues in plain terms are vital to succeed in this position.