

Job Description for Global Markets – Algo Strategies Internship

Overview

Nomura is an Asia-headquartered financial services group with an integrated global network spanning over 30 countries. By connecting markets East & West, Nomura services the needs of individuals, institutions, corporates and governments through its four business divisions: Retail, Asset Management, Wholesale (Global Markets and Investment Banking), and Merchant Banking. Founded in 1925, the firm is built on a tradition of disciplined entrepreneurship, serving clients with creative solutions and considered thought leadership. For further information about Nomura, visit www.nomura.com.

Nomura's Wholesale business includes Global Markets (Fixed Income & Equities) and Investment Banking division (ECM, DCM, M&A). Wholesale division operates across all four regions – Japan, Asia, Europe and Americas – and is a globally integrated franchise.

Internship Description

Internship will give you opportunity to work with Algo Strategies team.

Algo Strategies team (Mumbai) is a part of the Global Quants team which is spread across London, New York, Singapore and Mumbai. The Mumbai team consists of people with highly numerate backgrounds such as B.Techs, M.Techs computer science engineering, in electrical engineering, Masters or PhDs in Statistics, Quantitative Finance and Physics. All members of the team are proficient in some programming language.

The Algo team supports various index structuring business verticals and directly works with traders and structurers on developing index calculators and scripting new indexes in the proprietary Minerva platform. The candidates will get exposure to index construction methodologies for various asset classes (Rates, FX, commodities, Credit) and will have to script these indexes in Reflex platform. The candidate will also be involved in developing trading strategies.

Algo team is involved in developing market making and execution algorithms by applying mathematical and statistical methods to predict the likely future outcomes of financial markets. One of the aims of the team is to develop market making, auto hedging and alpha generating strategies across asset classes in global financial markets

In addition, the team also works in derivative pricing and modelling of bond/bond derivatives.

Proficiency in programming languages such as Python, Java, C, C++, C#, Matlab is a plus. Candidates should have interest in number crunching and should have an aptitude for analysing in detail vast amounts of data.

Criteria for Selection

Qualifying Criteria

- B.E / B.Tech / MSc in Computer Science/Electronics and Computer Engg/Electrical and Electronics/Maths & Computing
- Min CGPA 8.0
- Good Communications Skills
- Proficient in one of the programming language e.g. Python/C/C++/Java

Preferred Criteria

- Knowledge of AL/ML
- Pursuing CFA/FRM
- Good interpersonal skills
- Held some position of responsibility on campus
- Preferably undertaken some financial course(s) (few examples below)
 - Financial Derivatives and Risk Management
 - Security Analysis and Portfolio Management
 - Financial Engineering
 - Fundamentals of Stocks and Stock Exchanges

'Good to have' Criteria

- Previous Internships in financial services
- RBI young scholars award / Other prestigious awards

Nomura Core Competencies:

Competencies	Behavioral Indicators
<p>Culture & Conduct Building Nomura's Culture Diversity & Inclusion Professional Integrity Self-Awareness</p>	<p>Aware of own impact Respectful attitude Professionalism Gets involved</p>
<p>Client-Centricity & Business Acumen Commerciality Client-Centricity Analytical Thinking & Problem Solving</p>	<p>Product / service knowledge Responsive, accountable Detail orientated Offers options/solutions</p>
<p>Strategy & Innovation Strategic Thinking & Change Decision Making & Judgment Agility</p>	<p>Stays up to date Thinks differently Demonstrates entrepreneurial thinking Translates strategies into plans Stays one step ahead Open to new ways of thinking</p>
<p>Leadership & Collaboration Managing Talent Recognizing and Motivating Supporting, Developing & Collaborating with others Managing Conflict</p>	<p>Stays up to date Open to new ways of thinking Sees when to escalate Provides logical rationales Shows initiative to develop Leverages resources</p>
<p>Communication & Connectivity Articulation & Receptiveness Impact Connectivity</p>	<p>Recognizes others' efforts Offers to assist Willing team participant Shows interest</p>