

PhD Studentship – Financial Data Science

Goldsmiths

Goldsmiths University of London is a world-leading centre of educational excellence where ground-breaking research meets innovative teaching and thinking. We are looking for inspiring, talented people to help Goldsmiths build on its global reputation as we expand our capabilities as a learning organisation. As a college we are working to tackle inequality in all its forms and are working to promote equality on grounds of race, disability, age, sex, gender identity, sexual orientation, religion and belief, marriage and civil partnership, pregnancy and maternity, and caring responsibilities. We are keen to attract candidates from diverse backgrounds who share our commitment to creating an inclusive culture in which all students and staff can thrive.

Introduction / The role

The Department of Computing at Goldsmiths, University of London, has a vacancy for a PhD student position in the area of data science in finance. The position will be co-supervised by both [Dr.Venkata L. Raju Chinthapati](#) and [Prof. Larisa Soldatova](#).

The PhD project will involve bringing a scientific approach into economics/finance research using cutting-edge methods and technologies. For example, can we point out things that are not normal in a market that may look normal? Most believe the answer lies in big data analytics. Digitalization of finance brings rich data sets and mining the big data that enters the markets around the world each day identifies the key insights.

The latest advancements in analytics, big data technologies and research in financial economics provide us with the opportunity to gain game-changing insights. The outcomes of this research related to big data in finance help us in understanding market microstructure, information asymmetry, liquidity risk and stability of financial markets. In addition to that, this research democratizes the investment analytics that helps 1) automating portfolio management and 2) creating robo-advisors.

Eligibility

Applicants should have a master's degree in Computer Science, Mathematics, Economics, Finance or a related discipline. Candidates should have excellent communication (oral and written) and programming skills (one or more of the programming languages Python, Java, C/C++).

Applicants who also demonstrate deep knowledge of time-series analysis, machine learning and familiarity of big data technologies will be favoured.

Knowledge of financial data analysis is not a must, but applicants should be interested in financial data analysis.

Funding

The studentship is for **3 years** and provides full coverage of tuition fees (Home and Overseas) and an annual tax-free stipend of **£18,000**. The funding is provided by Goldsmiths, University of London.

To Apply

You are strongly encouraged to discuss your application in advance with Dr Venkata L. Raju Chinthapati at v.chinthalapati@gold.ac.uk and Prof Larisa Soldatova at l.soldatova@gold.ac.uk

Please submit your application by clicking the Apply button, including the following documents:

- A CV that includes information about education background and work/research experience
- Certified copies of relevant transcripts and diplomas.
- A short research statement explaining the experience and the interest of the candidate for the research topic and describing the relevance of the candidate's background to the research project (max 1 page)
- A copy of the master thesis.

- Any relevant publications.
- Contact information for two references.

Application Deadline is Friday 24 February 2023. Proposed start date is negotiable.