

## Contact

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www.dreixel.net (Personal)

## Top Skills

Communication  
Leadership  
Quantitative Finance

## Languages

English (Full Professional)  
Portuguese (Native or Bilingual)  
Dutch (Limited Working)

## Certifications

Certificate in Quantitative Finance  
(CQF)

## Publications

Functional Programming in Financial  
Markets (Experience Report)

## Patents

System and method for motion  
estimation using image depth  
information  
Use of inpainting techniques for  
image correction

# José Pedro Magalhães

Managing Director, Head of Core Strats at Standard Chartered Bank  
London, England, United Kingdom

## Summary

I am a Managing Director leading a team of ~50 quantitative developers in front office (the Core Strats team) at Standard Chartered Bank. The Core Strats team is responsible for the strategic price and risk engine in the Markets division, and works across a variety of cross-asset projects for trading and regulatory affairs. Under my leadership, the team tripled in size and expanded its geographical footprint (from London + Singapore to Poland, France, and the USA). I'm also one of the co-founders of Chordify, and a member of the IFIP Working Group 2.1 on Algorithmic Languages and Calculi.

Before joining Standard Chartered I was a postdoctoral research assistant at the University of Oxford. Before that, I did my PhD at Utrecht University in the Netherlands. I have also been a summer student at CERN, an intern at Philips Research, and a research intern at Microsoft Research Cambridge.

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## Experience

### Standard Chartered Bank

10 years 8 months

#### Managing Director, Global Head of Core Strats

August 2022 - Present (3 years 3 months)

London, England, United Kingdom

#### Executive Director, Head of Core Strats - Modelling and Analytics Group

November 2021 - August 2022 (10 months)

London, England, United Kingdom

#### Executive Director, Head of Applications - Modelling and Analytics Group

April 2021 - October 2021 (7 months)

London, England, United Kingdom

Senior Quantitative Developer  
July 2020 - April 2021 (10 months)  
London, England, United Kingdom

Senior Quantitative Developer  
September 2018 - July 2020 (1 year 11 months)  
Singapore

Senior Quantitative Developer  
April 2017 - August 2018 (1 year 5 months)  
London, England, United Kingdom

Quantitative Developer  
March 2015 - March 2017 (2 years 1 month)  
London, United Kingdom

Chordify  
Managing Director, Head of Back-end architecture  
October 2012 - December 2015 (3 years 3 months)  
Development of the Haskell backend.

University of Oxford  
Research Assistant  
May 2012 - February 2015 (2 years 10 months)  
Postdoctoral research assistant at the Programming Languages group.

Utrecht University  
PhD Student  
February 2008 - April 2012 (4 years 3 months)  
Working on the real-life datatype-generic programming project.

Microsoft Research  
Research Intern  
October 2011 - December 2011 (3 months)  
Working on the Glasgow Haskell Compiler under the supervision of Simon Peyton Jones.

Philips Research  
Intern student  
April 2007 - December 2007 (9 months)  
Internship (as part of graduation project) on the 3D Windows of Opportunity project.

CERN - European Organization for Nuclear Research

Summer Student

July 2006 - September 2006 (3 months)

Developed an online application form for the CERN School of Computing (in Geneva), and provided general technical assistance during the School period itself (in Helsinki).

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## Education

Utrecht University

Doctor of Philosophy - PhD, Computer Science · (2008 - 2012)

Universidade do Minho

Licentiate degree, Systems Engineering · (2001 - 2007)