

# UMA GOPALAKRISHNAN

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## EDUCATION

### **Columbia University: Graduate School of Arts and Sciences**

(Columbia University in the City of New York)

New York, NY

Sep '16 - Present

### **Master of Arts in Mathematics with a specialization in the Mathematics of Finance**

Relevant Coursework: Financial Risk Management & Regulation, Time Series Modelling, Stochastic Processes, Stochastic Methods in Finance, Numerical Methods in Finance, Multi-Asset Portfolio Management

### **Symbiosis Centre for Management and Human Resource Development**

(Symbiosis International University)

Pune, India

Jun '09 - Apr '11

### **Master of Business Administration, concentrating in Finance**

Relevant Coursework: Financial Risk Management, Security Analysis & Portfolio Management, Financial Statement Analysis, Models for Decision Making, Econometrics, Corporate Finance, International Finance, Financial and Managerial Accounting, Operations Research

Activities: Member: Lean & Six Sigma Excellence Awards Organizing Committee, Member: Quiz Club, Vocalist: Musical Band

### **M.O.P. Vaishnav College for Women (Autonomous)**

(University of Madras)

Chennai, India

Jun '06 - Apr '09

### **Bachelor of Science in Mathematics, First Class with Distinction**

Relevant Coursework: Financial Mathematics, Statistical Methods, Operations Research, Optimization Techniques, Classical and Modern Algebra, Real and Complex Analysis, Computer-oriented Numerical Methods, Programming in C and Visual Basic, Data Structures and Algorithms

Activities: Member & Event Manager: Mathematics Club, Member & Event Manager: French Club

Honors: Recipient of the 'Dr. A. Thiruvengadathan Endowment Prize': best student as adjudged by the MOPVCFW Academy of Human Excellence, Rank Certificate for French, Rank Certificate for English

## PROFESSIONAL EXPERIENCE

### **YES Bank Limited**

Mumbai, India

#### **Manager, Treasury & Financial Markets Operations** (Jul '13 - Sep '14)

May '11 - Sep '14

Indian Rupee (INR): Fixed Income, Money Market and Investments Operations Desk

#### **Associate, Treasury & Financial Markets Operations** (May '11 - Jun '13)

Indian Rupee (INR): Fixed Income, Money Market and Investments Operations Desk

Foreign Exchange: Inter-Bank, and Financial Advisory Services Operations Desk

- Processing, confirmation, settlement, reporting, accounting, documentation of transactions; Computation, monitoring, reporting of bank-wide positions, intra-day liquidity, limits, margins; Ensuring compliance to regulatory policies and bank internal policy
- Strengthened operational processes by introducing additional controls and checks; Improved and automated methods for efficient computation and reporting; Standardized documentation procedures to ease investigation and maintenance
- Primary point of contact of the operations desk for internal and statutory treasury audits
- Implemented end-to-end operations procedures for Interest Rate Futures, and authored the process manual

### **SBI Life Insurance Company Limited**

Mumbai, India

#### **Summer Intern, Investments Division**

Apr '10 - May '10

- Studying the implementation of Interest Rate Derivatives with specific focus on the aspects of Risk Management and ISDA Documentation

### **HSBC Bank**

Chennai, India

#### **Summer Intern, Premier Relationship Management**

May '08

- An Introduction to Financial Planning and Wealth Management for Priority Banking Clients

## ADDITIONAL SKILLS

### **Certifications**

*R Programming* (and six other R-based courses of the *Data Science Specialization*), Johns Hopkins University on Coursera (2015-16)

*MCX* (Multi Commodity Exchange of India) *Certified Commodity Professional* (2011)

Certificate Course "*Green Belt in Six Sigma Methodology*", Indian Statistical Institute, ADAAP & SCMHRD (2011)

*Oracle*: Treasury Management (2010); *Oracle*: Financial Applications (2009)

### **Computer Skills**

*Programming & Analytical Software*: C, R, MATLAB, Visual Basic, SAS, SPSS, Minitab

*ERP Systems*: SAP (FI/CO), Oracle (Treasury Management, Financial Applications)

*Financial / Banking Applications & Systems*: Bloomberg, MUREX, SWIFT, Clearing and Settlement systems

### **Languages**

Tamil, Hindi, French