

HARINI SUBRAMANIAN

13560 Technology Drive, #1301, Eden Prairie, MN 55344, USA
651.261.6637 • harini.subramanian@gmail.com

Education

- ✦ **Master of Financial Mathematics** Sep 2008 – May 2011 (expected)
University of Minnesota, Minneapolis, MN, USA GPA 4.0
Vice President, Financial Mathematics Association
- ✦ **B.E., Electronics and Communication Engineering** Jul 2002 – May 2006
Anna University, Sri Venkateswara College of Engineering, India GPA 3.2
Academic Merit Award for 1st rank in 2003; Received As in all advanced Mathematics courses

Experience

- ✦ **Quantitative Analyst Intern** Jun 2009 – Aug 2009
Securian Financial Group, St. Paul, MN, USA
 - Part of the Quant team in the Corporate Actuarial area focussing on Asset Liability Management, Enterprise Risk Management, Economic Valuation Analysis: Economic Capital, Risk and Value
 - Automated and enhanced Economic Valuation Calculations in MS Excel 2007 and supported generation and analysis of Risk Value Report for Q2 2009
 - Analyzed the impact of RAROC (Risk-Adjusted Return on Capital), led a discussion/presentation to the Quant Team and suggested additional performance measures
 - Automated Risk Minimizing Portfolio Effectiveness in Prophet (custom modelling software) for changes in Equity, Swap Rates and Spreads
- ✦ **Business Analyst** Jun 2008 – Present
Apt Source Inc, St. Paul, MN, USA
 - Performed functional requirement gathering and designed process flow charts for Recruitment, Invoicing and Payroll modules of an eRecruit Resource Management Solution system
 - Created Business Invoices and streamlined Business Invoice Processes
- ✦ **IT Business Analyst & Spanish Language Expert** Jun 2006 – Sept 2007
Polaris Software Lab Ltd., Chennai, India
 - Performed functional requirement gathering for all modules of a Retail Credit Card system implementation in Santiago, Chile; all requirements were gathered in Spanish
 - Involved in designing table structures and oversaw functional integration across all modules
 - Created and Reviewed Test Cases for the core Billing Module; Handled the first round of User Acceptance Testing and guided technical writers to create User Training manuals
 - Experience in the entire Software Development Life Cycle (requirements gathering, analysis, design, implementation, testing and deployment); International Work Experience: India and Chile
- ✦ **Academic Project at SVCE, Chennai** Jan 2006 – Apr 2006
Authentication of Ophthalmic Images for Biometric Verification
 - Led a group project in Digital Image Processing to authenticate entry for high-security applications by processing ophthalmic images; techniques such as Canny detection, Hough transform and Gabor wavelets were employed to extract and compare iris features using MATLAB
- ✦ **Engineering Intern** Jun 2004
AIRTEL, Bharti Cellular Limited, Chennai
 - Learned about Global System for Mobile Communications concepts and the processes of a telecommunications organization

Technical Skills

- ✦ Proficient in C, SQL, MATLAB, VB, HTML & MS Office Suite
- ✦ Possess exceptional quantitative and analytical skills

Other

- ✦ Fluent in English, Spanish, Hindi and Tamil
- ✦ Possess excellent communication and interpersonal skills
- ✦ Employment Authorization: Permanent Resident of the US