

JOSEPH SMITH

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EDUCATION

Columbia University, School of Engineering and Applied Science

MS in Financial Engineering, GPA: 4.0/4.0

New York, NY
Expected Completion June 2007

French American University, School of Engineering and Architecture

BS in Industrial Engineering, GPA 3.99/4.00

Byblos, Lebanon
July 2005

AWARDS

Recipient of IEOR Scholarship awarded for Academic Excellence 2006
Class Valedictorian 2005
President's Award: Highest GPA in the graduating class of Engineering and Architecture 2005
Student Honor Society: Highest GPA in the School of Engineering and Architecture 2003
Distinction List 2001-2005

PROJECT AND INTERNSHIP EXPERIENCE

McKinsey & Company

Change Leadership Intern

New York
March 2006-Present

- Collect and standardize performance information on internal and external leadership
- Manage the project budget to achieve optimal client efficiency including dispensation and administration of developer resources
- Achieve revenue enhancement of \$3MM as a result of data availability and efficiency

Columbia University

Graduate Research Assistant

New York
September 2006-Present

"Trading Strategy Model: The International Fund"

- Utilized historical yield data and an ARMA-GARCH regression to predict the direction of daily yield movements
- Created a computer model to develop and test trading and risk management strategies for a bond portfolio, all the while respecting the practical considerations of financial data modeling, real-world considerations and limitations

St. Luke's Hospital University Medical Center

Undergraduate Research Assistant

New York
February-June 2005

"An Animated Simulation: Service Elevator Dedication Problem"

- Constructed an animated simulation model, using Simul8, aiming at minimizing elevator waiting time for service departments in the hospital's new facilities
- Collected real-life data and used statistical distribution fitting to use the data in the simulation model
- Interacted with each of the hospital's service departments to understand each unit
- Presented model to university faculty, hospital management and students

St. George Hospital University Medical Center

Industrial Engineering Intern

Beirut, Lebanon
Summer 2003, 2004

- Performed analysis of delays in the Cardiac Catheterization department to identify the hospital's sources of delays
- Provided management with suggestions on how to overcome these delays and thus increase efficiency and customer satisfaction

TECHNICAL AND PERSONAL SKILLS

Applications

MS Office Suite (Word, Excel, Access, Powerpoint, Visio), Matlab, Simul8, GPSS/H, Primavera, Mathematica, StatGraphics, S-Plus

Programming Languages

Java, Turbo Pascal

Languages

Fluent in English, French, and Arabic

Personal Traits

Strong written and oral communication skills, ambitious and confident nature, driven towards excellence, always seeking new challenges to rise up to