

# ENRICO MANLAPIG

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## EDUCATION

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### COLUMBIA UNIVERSITY

09/2003-12/2009

Doctor of Philosophy in Economics  
Master of Philosophy in Economics  
Master of Arts in Economics

- Description of Research:
  - Modeled speed-dating as a matching game with incomplete information
  - Developed a new graph based methodology for testing speed dating preference hypotheses
- Specializations:
  - Microeconomics, Matching, Group Decision Making, Game Theory

### UNIVERSITY OF QUEENSLAND

01/1996-12/2000

Bachelor of Economics with First Class Honours in Economic Statistics  
Bachelor of Commerce

- Description of Research:
  - Explored new applications for combinatorial games under auction play
  - Examined impact of exogenous regressors on econometric time series statistics
- Specializations:
  - Corporate Finance, Operations Research, Econometrics, Game Theory

## PROFESSIONAL EXPERIENCE

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### DELOITTE FINANCIAL ADVISORY SERVICES

07/2012 -- Present

Capital Efficiency Senior Associate

- Applied real option methodologies to value contingent payment schemes for pharmaceutical companies
- Built econometric models to model term structure of interest rates and forecast macroeconomic variables
- Built mathematical models to value exotic derivatives and fixed income securities
- Managed teams of consultants reviewing valuation methodologies, inputs, and documentation

### HOPE COLLEGE

07/2010-07/2012

Assistant Professor of Economics

- Taught "*Principals of Microeconomics*", "*Econometrics*", and "*Game Theory*"
- Built a decision support system to facilitate student-teacher assignment decisions
- Recognized with student award for extraordinary impact on students' lives

**NEW YORK UNIVERSITY**

07/2009-12/2009

Adjunct Professor of Public Policy

- Taught Intermediate Microeconomics (Masters level)

**PRICEWATERHOUSECOOPERS FINANCIAL ADVISORY SERVICES**

1/2001-06/2003

Applied Decision Analysis Executive

- Analyzed the options of a bottling company deciding whether to withdraw from Indonesia
- Built a decision support system to facilitate military deployment planning and new technology purchase decisions
- Designed, implemented, and analyzed a state-wide survey of government caseworkers to understand the department's operations and capacity
- Facilitated @Risk training course for valuation professionals

**SCHOLARSHIP**

*"A Theory of Moral Behavior"*, Presented at Calvin College Department of Economics Seminar Series, 2012

Discussant for *"The Role of Religious Preferences, Trust, and Donor Choice in Charitable Giving"*, American Economic Association Annual Conference, 2012

*"Is Rush Identify Forming?"* with Megan Scholten, presented at Midwestern Economic Association Annual Conference, 2012

*"Interacted Preferences in Experimental Speed-Dating"* with Emily Evans, poster presentation at Hope College Celebration of Undergraduate Research, 2012

*"Essays in Two-Sided Matching under Incomplete Information"*, Ph.D. Dissertation, Columbia University, 2009

*"Game Theory as a Tool for e-Market Design"* with Tom Sandeman, Australia Society for Operations Research National Conference, 2003

*"Combinatorial Games under Auction Play"*, Australian Society for Operations Research NSW State Meetings, 2002

*"Richman Games"*, Australian Society for Operations Research, Queensland Annual Conference, 2000

*"Portmanteau Statistics in the Presence of Exogenous Regressors"*, University of Queensland Discussion Series, 2000

**SERVICE**


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Member of Steering Committee for Decision Analysis Affinity Group 2014 conference	2013
Onboarding advisor for a Deloitte winter intern	2012-13
Hosted Hope College Baker Scholars' 2013 New York City visit	2013
Organizer of Deloitte Capital Efficiency Lunch & Learn series	2013
Reviewer for National Conferences for Undergraduate Research	2011-12
Panelist for Hope College's Religion Department Film Series, <i>"Of Gods and Men"</i>	2012
Panelist for Hope College's Business Club Event, <i>"What to Expect at Graduate School"</i>	2012

Panelist for Hope College's Social Sciences Division's Event, "What are the social sciences?"	2012
Faculty sponsor for Hope College's Rugby Club	2011-12
Panelist for Hope College's Pew Society Graduate School, "What to Expect at Graduate School"	2011
Member of New Community Fourth Reformed Church's Worship Committee	2011-12
President of Intervarsity Graduate Christian Fellowship at Columbia University	2004-5
Facilitator for English conversation groups	2004-6

### **AWARDS & HONORS**

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Deloitte Financial Advisory Services Applause Award	2013
Hope College Mortar Board Professor Appreciation Night Recognition	2012
Columbia University Graduate School of Arts and Sciences Teaching Award	2006,7,9
Columbia University Graduate School of Arts and Sciences Dissertation Fellowship	2008
Columbia University Graduate School of Arts and Sciences Summer Research Award	2007
Columbia University Graduate School of Arts and Sciences Teaching Fellowship	2003-9

### **Software Experience**

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Office: *Microsoft Word, Excel (incl. Visual Basic), Access (including SQL), and PowerPoint, LaTeX, Scientific Workplace*

Mathematics: *MatLab, Octave, AMPL, Mathematica*

Statistics: *SAS, SPSS, R, STATA, EViews*

Simulation: *@Risk, Arena*

Network Analysis: *R (SNA package), Pajek*

Decision Analysis: *Decision Programming Language*

Financial Research: *Capital IQ, Bloomberg, LCD Research*

Operating Systems: *Windows, OSX, GNU/Linux (Arch, Debian)*