

GERMAN GUTIERREZ

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EDUCATION

- 2010 | Cornell University, M.Eng. Operations Research and Information Engineering
GPA: 4.1, Concentration in Strategic Operations
- 2006- 2009 | Cornell University, B.S. Operations Research and Engineering
GPA : 4.0, *Summa cum Laude*

RESEARCH INTERESTS

Macroeconomic theory, Monetary Policy, Unemployment, Financial Markets

RESEARCH EXPERIENCE

- 2008-2010 | Cornell University, Undergraduate Research Assistant for Prof. Shane Henderson, Peter Frazier, Eric Friedman
Main focus on simulation optimization, rare event simulation and statistical learning
- *Developed a computer simulation of the game “Monopoly”; designed, coded and analyzed several game strategies; applied rare event simulation techniques to estimate the probability that a game of “Monopoly” never ends*
 - *Analyzed the stochastic optimization problem with noisy derivatives of the objective function; worked to identify an optimal sequential sampling policy for a simplified version of this problem that relies on dynamic programming*
 - *Coded and/or developed multiple simulation optimization problems, as well as a set of theoretical and programming solutions to infer the existence of certain mathematical properties (e.g., convexity) that facilitate solving such problems*

PUBLICATIONS AND CONFERENCE PRESENTATIONS

- 2010 | Frazier, P., Gutierrez, G., Henderson, S. (2010). Noise-Tolerant Bayesian Bisection. *INFORMS annual meeting 2010*
- 2009 | Friedman, E.J., Henderson, S., Byuen, T. Gutierrez, G. (2009). Estimating the probability that a game of monopoly never ends. *Proceedings of the 2009 Winter Simulation Conference*

TEACHING EXPERIENCE

- 2009 | Cornell University, Undergraduate Teaching Assistant for Prof. Gennady Samorodnitsky
ORIE 3500 - Engineering Probability and Statistics II
- 2008-2009 | Cornell University, Academic Excellence Workshop Co-Lead Facilitator
Facilitated bi-monthly training session for ~50 workshop facilitators on engineering courses
- 2007-2009 | Cornell University, Academic Excellence Workshop Facilitator
Prepared and facilitated collaborative weekly workshops in chemistry / math for ~20 students

WORK EXPERIENCE

- 2010-2014 | Oliver Wyman Financial Services, Engagement Manager (2014-Present), Associate (2013), Senior Consultant (2012), Consultant (2010-2011)
Advised financial institutions on a variety of pressing strategic issues, with a primary focus on Finance and Risk Management including stress testing, financial and risk modeling and model risk management
- 2008 | Emerson Climate Technologies Mexico, Finance Intern

AWARDS AND SCHOLARSHIPS

- 2010 | Allan H. Mogensen Prize
2010 / Where's the BOOM (Brains On Our Machines) Award (*for Monopoly Research*)
2009-2010 | Knight Scholar
2008-2009 | E. Crosby Scholar
2007-2008 | Songsheng Yueh Scholar
2006-2010 | Dean's list (*all semesters when eligible*)
2006 | ITESM Academic merit contest and fellowship, 1st place
2005 | Adelphic Award "Honorable Mention" (*writing*)

OTHER

- Computer** | Microsoft Office: Microsoft Excel, Word and PowerPoint
Coding: Java, Visual Basic
Scientific Applications: Matlab, R, S-PLUS, ProModel
Database applications: SQL, Microsoft Access
- Languages** | English (fluent) and Spanish (native)
- Interests** | Traveling, Cooking, Rock Climbing, Meditation (completed multiple silent retreats at Buddhist Monasteries), Hiking (climbed Mt. Kilimanjaro), Dog breeding and showing (Giant Schnauzers)

REFERENCES

Til Schuermann
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