

## EDUCATION

---

**Massachusetts Institute of Technology - Cambridge, MA**  
Candidate for Master of Science in Media Arts and Sciences

September 2012 - June 2014

**University of Pennsylvania – Philadelphia, PA**

September 2004 - May 2008

*Jerome Fisher Program in Management and Technology*

**Wharton School: Bachelor of Science in Economics**, Concentrations in Finance, Operations and Information Management  
**School of Engineering and Applied Science: Bachelor of Applied Science in Computer Science**

## EXPERIENCE

---

**MIT Media Lab – Cambridge, MA**

August 2012 - present

*Research Assistant – Macro Connections*

- Awarded Graduate Research Assistant appointment and full tuition funding

**Synthosys – Washington, DC**

July 2011 - August 2012

*Consultant (part time) – National Science Foundation – Star Metrics*

- Developed and designed front end prototype to allow NSF divisions to better understand their portfolio investments through auditable and standardized metrics
- Coordinated between internal NSF staff and external contractors to conceptualize and build an operational framework for analyzing cross divisional and cross agency data

**Harvard Business School – Boston, MA**

August 2010 - June 2012

*Research Associate – Technology and Operations Management, Entrepreneurial Management*

- Managed NSF-funded research project to disambiguate unique inventors within 30 years of US patent data
- Automated data cleaning and parsing scripts in Python for SQL dataset consisting of 9 million+ records
- Presented preliminary research results at expert workshop “Academic Patenting in Europe – Name Game Workshop”
- Recipient of European Science Foundation Short Visit Grant to Bocconi University, Milan, Italy for collaborative work on integrating US and European patent disambiguation data
- Contributed data and developed Python modules for the GovData project, a joint collaboration between the Institute of Quantitative Social Science at Harvard University and the Center for Future Civic Media at MIT
- Analyzed firm and patent data to study innovation trends within the digital photography industry

**Barclays Capital – New York, NY**

September 2008 – July 2010

*Analyst – Global Research - Index, Portfolio and Risk Solutions - POINT Marketing*

- Series 7 (General Securities Representative License) and Series 63 (Uniform Securities Agent State Law Exam)
- Analyzed client portfolios using Barclays Capital’s multi-asset portfolio analytic platform, POINT, and advised clients on the implementation of risk management and portfolio optimization strategies
- Educated clients about Barclays Capital research through presentations, conference calls and on-site visits
- Coordinated with development and database teams to build specifications for product enhancements
- Created and enhanced existing technical documentation to facilitate client product usage

**Montgomery County Maryland – Rockville, MD**

June 2008

*Pro Bono Consultant Program*

- Coordinated over 400 volunteers and contractors for the Extreme Makeover Home Edition Fall 2008 Season Premiere
- Donated over 40 hours of service to local home builder, including procuring vendor donations and on-site building

**Goldman Sachs – New York, NY**

June 2007 – August 2007

*Summer Analyst – Information & Technology Risk, Policies & Practices*

- Initiated and coordinated development of security standards and controls for firmwide technology platforms
- Redesigned team website using proprietary in-house content management system
- Created and published new development process framework for Platform Specific Security Standards to clarify and communicate policy development roles across various functional areas

## SKILLS

---

**Technical:** Python, Java, SQL, R, HTML/CSS, Javascript, LaTeX, Windows, Linux, Microsoft Office Suite

## PERSONAL PROFILE

---

Marathon runner, community volunteer, culinary enthusiast and food blogger. Member of the Park Slope Food Coop.