

JACLYN SCHEIN

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Education

Massachusetts Institute of Technology, Cambridge, MA

June 2013

- Candidate for B.S. in Materials Science and Engineering, GPA: 4.6/5.0
- Minor in Economics
- Relevant Coursework: Economics Materials Selection, Economics of Incentives, Economics of World Poverty, Microeconomic Theory and Public Policy, Polymer Engineering, Organic and Biomaterials Chemistry

Hebrew Academy of the Five Towns and Rockaway, Cedarhurst, NY

Valedictorian, Class of 2009

Work Experience

Lux Research, New York, NY, June 2011-August 2012

Analyst, Energy Group, Smart Grid and Grid Storage Team

- Interviewed energy company management and prepared company profiles
- Wrote "Analyst Insights" column for biweekly Smart Grids journal on industry developments
- Compiled an Energy Storage Tracker in Excel to analyze and graph company data, sold to 45 clients
- Prepared and published a report sizing and forecasting the grid storage market

Research Experience/Awards

MIT Langer Lab, Cambridge, MA, January 2010 - Present

Research Assistant for Chemical Engineering Professor Robert Langer

- Independent research project on developing iron oxide nanoparticles as drug delivery agents for cancer therapy
- Design and conduct experiments using ligand exchange, dynamic light scattering, and cell transfection
- Present results at lab and department meetings to senior faculty and pharmaceutical companies

Project Prakash, India, January 2011

- Studied relationship between vision and the brain at a research facility for pediatric blindness
- Analyzed the current state of research facilities in India that focus on disabilities

Garcia Materials Research Science and Engineering Program, Stony Brook University, 2008-2009

Research Assistant for Materials Science and Engineering Professor Miriam Rafailovich, Ph.D

- Independent research project examining supercritical CO₂ on ternary polymer blends for more efficient recycling
- Designed and conducted experiments using ellipsometry and atomic force microscopy
- NY State Science/Engineering Fair (First Place, 2009), Intel Intl. Science/Engineering Fair (Third Place, 2009)

Leadership Activities

MIT Department of Materials Science and Engineering

- *President of Executive Board*, MIT Society of Undergraduate Materials Scientists, February 2011-Present
 - Manage \$20,000 budget and organize lecture series and industry panels for 200 students
- *Department Tutor*, Solid State Chemistry, tutor 35 students, September 2011 – Present
- *Teaching Assistant*, Materials Laboratory, teach 25 students in section, September 2012 – Present

MIT Hillel, *President of Executive Board*, January 2011 - Present

- *Secretary*, January 2010-January 2011

MIT Hibur, *Delegation Member*, January 2010 – Present

- Organized programs expanding the relationship between MIT and the Technion (Haifa, Israel)

Intramural Water Polo, *Team Captain*

Skills and Interests

Excel, PowerPoint, Mathematica, Solidworks

Languages – Hebrew (conversant), Spanish (conversant)