

Carolina Fejgielman

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EDUCATION

Massachusetts Institute of Technology

Bachelor of Science in Chemical Engineering

Minor in Economics

Expected: June, 2017

Cumulative GPA: 4.9/5.0

PROFESSIONAL EXPERIENCE

Bristol Myers-Squibb, New Brunswick, NJ

May 2015-August 2015

Intern

- Developed a lab-scale model to simulate the forces encountered in a pilot plant agitated dryer and predict how agitation will affect final powder properties
- Established relationships between work input to the powder cake and final particle size/ bulk density
- Determined correlations between solvent content and likelihood of particle attrition

Real Food Solutions, Cambridge, MA

October 2015 – January 2015

Intern

- Analyzed the land, air, and marine motion sickness markets for an anti-nausea nutrition bar and explored the acid reflux, morning sickness, and virtual reality markets to create a strategic sales plan for the start-up
- Drove sales operations by identifying potential customers and creating a contact database
- Set up the online sales of the product through Amazon leading to a 25% increase of online sales
- Reached out to 20 potential buyers which resulted in 4 sample deliveries

RESEARCH EXPERIENCE

National Biotechnology Center, CSIC, Madrid, Spain

June 2014 – August 2014

- Investigated the role of the *Dido* gene and its influence on myelodysplastic/myeloproliferative diseases by performing 10 experiments aimed at the molecular interactions of the gene

Anderson Lab, David H. Koch Institute for Integrative Cancer Research, Cambridge, MA

January 2014-May 2014

- Worked on a siRNA targeted delivery system research project to prevent the expression of genes on targeted organs to treat diseases that cause an excess of a protein, such as certain viral infections, cancers, and genetic diseases

LEADERSHIP & AFFILIATIONS

Society of Hispanic Professional Engineers, Cambridge, MA

President

May 2015-Present

- Serve as the spokesperson of the organization by presenting at general body meetings and conduction meetings with corporate sponsors and student groups
- Lead the executive board meetings and assign tasks and deadlines to all officers
- Manage a \$30,000 yearly budget

Vice President

May 2014-May 2015

- Served as the Head Committee Chairperson and responsible for ensuring that established committees fulfill responsibilities governing 60 members
- Prepared the National Report that earned the Blue Chip Award for one of the best SHPE chapters in our region

Academic Chair

September 2013-May 2014

- Organized three networking and informational events connecting students and faculty; topics included: GRE, international research and internships opportunities, and a student/faculty dinner
- Ensure all members maintain adequate academic standards via tutoring and mentoring referrals

Scholarship Tutoring Program

August 2009-May 2013

- Provided math tutoring to students that participate in Baldwin School's scholarship program

Other Activities/Affiliations: Association of Puerto Ricans, Society of Women in Engineering, Soccer IM

SKILLS

Language: Spanish (fluent)

Computer: Proficient in Excel, Word, & PowerPoint

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Chemical Engineering

2017



What do you want to teach?
Math, Chemistry, Biology, and/or Physics

What are your teaching experiences?

- 4-year volunteer at my high school's scholarship tutoring program: conducted lecture-like math classes to rising 6th graders to help them prepare for their scholarship aptitude exam
- For-pay tutoring during high school to underclassmen

Relevant courses taken:
7.012, 5.112, 8.01, 8.02,
18.02, 7.05, 5.310
Native Spanish Speaker

Why do you want to teach abroad?

Meet new people, instill knowledge and STEM passion, embrace a new culture, and travel

Why do you think you would be good at this?

- I have experience teaching and presenting in front of a crowd
- I've been exposed to a variety of different cultures

Relevant experiences abroad:

- MISTI- Spain
- Significant travel experience (have been to ~15 countries)