

EDUCATION: **Massachusetts Institute of Technology** **Cambridge, MA**

- Candidate for Bachelor of Science in Mechanical Engineering with Minor in Applied International Studies, June 2011
- Cumulative Undergraduate GPA: 4.4/5.0
- *Relevant Coursework:*

Advanced Mechanics & Materials	Advanced Thermal Fluids Engineering
Dynamics & Controls	Sustainable Energy
Computers & Eng. Problem Solving	Electricity & Magnetism
Solid State Chemistry	Measurement & Instrumentation

EMPLOYMENT: **Beckman Coulter, Inc** **Brea, CA**
Engineering Intern *June – August 2009*

- Worked in Design Transfer group to ease transition of new biomedical testing instruments from development to production
- Designed new parts using SolidWorks to optimize efficiency in manufacturing
- Implemented cost-savings projects
- Developed oral and written communication skills through correspondence with suppliers, customers, and coworkers
- Determined cause of part failures and decided course of action to prevent future failures

Metform Vehicle Systems **Savanna, IL**
Engineering Intern *May-August 2007 and May-August 2008*

Engineering Department:

- Created AutoCAD drawings for machine tools
- Initiated and evaluated control plans and failure modes and effects analysis for new products
- Compiled broach and bolt information into a cost comparison study
- Mediated interdepartmental affairs

Quality Department:

- Researched and presented report on effects of Quench and Temper process on microstructure of steel to ensure compliance with customer specifications
- Acquired knowledge of product testing procedures while performing product part approval tests by gauging hardness, toughness, and critical dimensions of products

SKILLS: **Technical:** Proficient in: SolidWorks (design 3D assemblies), AutoCAD (interpret, generate drawings), Java (GUIs, numerical methods, data structures, searching), Matlab (numerical computations in engineering context), Microsoft Office (Excel, Word, PowerPoint)**Product Testing:** Experienced with ductility, strength, and failure mode testing**Languages:** Fluent in English and Spanish; Working knowledge of basic Italian