

Jenny Qiu
MIT, Class of 2013
Mechanical Engineering
jennyqiu@mit.edu

229 Vassar Street
Cambridge, MA
02139
Cell: 1-805-573-2772

Education

- Massachusetts Institute of Technology – Class of 2013 2009 – present
 - Mechanical Engineering with focus in Robotics and Product Design
 - Completed Courses: Design and Manufacturing I & II, Differential Equations, Mechanics and Materials, Dynamics and Controls I & II, Thermofluids Engineering I
 - Pending Courses: Thermofluids Engineering II, Micro and Nano Engineering, Precision Machine Design, Numerical Computation
- Newbury Park High School 2005 – 2009
 - International Baccalaureate Diploma, Ranked 1 out of 545

Work Experience

- P-8 Poseidon Program, Boeing Company – Virtual Manufacturing and Tooling Intern 6/2012 – present
 - Virtual Manufacturing: Created virtual solutions to enable more efficient factory operations and updated current databases and tip sheets.
 - Tooling Engineering: Completed tool fabrication per planned schedule and cost for P8-A and participated in production factory preparations.
 - Effectively used ENOVIA, Camtasia, DELMIA, and CATIA V5
- Mediated Matters, Media Lab, MIT 8/2011 – 6/2012
 - Helped prototype the Spiderbot, a 3d printer with the potential to print full scale buildings
 - Created extruding mechanism for Spiderbot
 - Researched and experimented with extrusion materials for Spiderbot.
- AutoNOMOS Labs, Freie Universität Berlin - Intern 5/2011 – 8/2011
 - Designed parts for the Autonomous Vehicle such as an aerodynamic camera box
 - Used Solidworks to model electric wheelchair brain driver. Allowed the wheelchair to be tested in created environments
- Device Research Laboratory, Department of Mechanical Engineering, MIT 6/2010 – 5/2011
 - Studied the applications of cell membranes to medical device design
 - Fabricated Cell Membrane chambers to create membranes
 - Created method that was 2x faster than old method.
 - Designed a stirring device that helped decrease spending expenditures of the lab.

Volunteer Work Experience

- Computer technician for Big Brothers Big Sisters of Ventura County 7/2009 – 8/2009
 - Tested computer parts and installed software
 - Updated the company's Donor Database and Website
 - Helped others to use Microsoft Word, Excel, Powerpoint, and Giftworks
- Amgen Inc. Biopharmaceutical Laboratory 8/2008 – 9/2008
 - Qualified a glutamic acid method and tested its level in a protein drug using high performance liquid chromatography (HPLC)
 - Tested different excipients in protein drugs

Skills

- Manufacturing/ workshop training and Lab training.
- Proficient skill in Solidworks. Experience with MathCAD, Matlab, LabVIEW, , CATIA, Delmia, Enovia.
- Basic HTML, Python, Ruby, Java, C++, C
- Fluent English, Proficient Chinese (spoken and comprehension), Basic Spanish, Basic German

Volunteer

- Associate Advisor, MIT 8/2011-present
 - Advise freshmen on recommended classes and emotional needs
- Newbury Park High School Technical Theater 2005 – 2009
- English Teacher in Ninghai Yuelong Middle School, Ninghai, China Summer 2006

Extracurricular

Club Soccer, Formula SAE, Society for Women Engineers