# Kirsten Lim

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## Objective

To be able to design, fabricate, and prototype any product, particularly biomedical devices such as portable diagnostic devices and robotic surgical instruments
To incorporate form and functionality into products, taking into consideration users' input and market needs

## Work Experience

**UROP at MIT Ideation Lab** **June 2012-Present**

I helped develop and run an experiment on the effects of prototyping on the design process. I also performed a literary analysis of papers pertaining to the establishment of design requirements during new product development and wrote a paper on my findings.

**UROP at MIT Media Lab** **September 2011-May 2012**

In the Changing Places Group at MIT's Media Lab, I worked on the Urban Farming Project. This goal of this project was to develop an aeroponic system to grow vegetables in an urban environment. My specific responsibility on this project was to develop and program a sensor system for the prototype that fed the data online to Cosm (formerly known as Pachube).

**MIT Admissions Blogger** **September 2011-Present**

**Edgerton Center Outreach Employee** **January 2012-May 2012**

## Education

**Gwinnett School of Math, Science, and Technology** **August 2007-May 2011**

GPA: 4.0
Activities: Robotics Club, Science Olympiad, National Honors Society, and Student Government Association
Awards: GSMST's Technology Student of the Year ('10-'11), Gifted Student of the Year ('09-'10, '10-'11), FIRST Robotics All Star Rookie Award ('10), VEX Robotics Excellence Award ('11), VEX Robotics Judge's Award ('11)

**Massachusetts Institute of Technology** **September 2011-Present**

GPA: 4.8
Fall Courses: 2.001 (Mechanics & Materials), 2.003 (Dynamics and Controls), 5.12 (Organic Chemistry), 2.678 (Electronics for Mechanical Systems), CMS.631 (Systems Visualization), Teaching Assistant for 8.02
Past Courses: 8.02 (Electricity & Magnetism), 18.03 (Diff. Eq), CMS.376 (History of Media and Tech.), 2.00B (Toy Product Design), 7.012 (Biology), 18.02 (Multivariable Calc), 8.01 (Classical Mechanics), 6.S189 (Intro to Python)

## Skills

MS Office Suite, AutoCAD, Solidworks, Autodesk Inventor, Familiar with Mac and Windows Operating Systems, Adobe Photoshop, Adobe Illustrator, iLife Suite, Robot C, Python, basic familiarity with C++

## Activities and Interests

Activities: Freshman Preorientation Program Mentor, Resident Associate Advisor, Maseeh Hall MedLink, Maseeh Hall Floor Representative, Maseeh Hall Legislature Secretary, Member of SWE, MIT Technique Photo Editor, TA for Technovation Program (Program that teaches high school girls how to make Andriod Apps)
Interests: Robotics, Art History, Photography, Traveling, Baking, Biomedical Technology