

A Materials Research Science and Engineering Center Program Highlight

Industry-University Partnership Promotes Innovation

Cornell undergraduates gain experience with industrial research

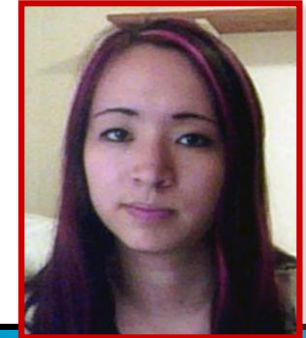
High-tech companies require constant innovation to maintain their technological edge. To help small companies evolve, the Cornell Center for Materials Research (CCMR) developed the JumpStart program – a semester-long partnership that pairs New York State small businesses that have well-defined technical needs with Cornell faculty and students who have the expertise to help. This program is supported by the New York State Foundation for Science, Technology, and Innovation (NYSTAR) Matching Grant Program

In Fall 2011, the JumpStart program partnered Harrick Plasma with three Cornell faculty and two students to help evaluate and improve the performance of Harrick Plasma Cleaners for new markets. Cornell undergraduate Michelle Chou characterized the performance of the existing design, while another undergraduate, Anthony Xing, has designed and is building a special tool to analyze the fundamental characteristics of the plasma as part of his senior thesis. The information generated by this project will be used to help guide the development of the next generation of plasma tools.

Anthony Xing
Cornell Class of
2012



Michelle Chou
Cornell Class of 2013



Harrick Plasma Cleaners