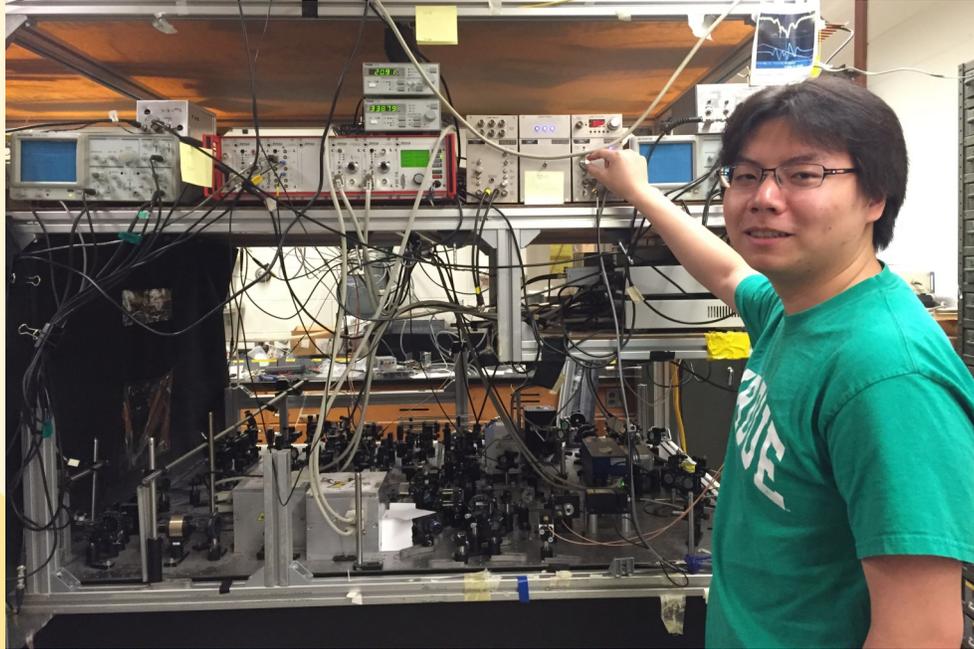


Department of Physics and Astronomy



SURF 2015— Ting-Wei Hsu

Ting-Wei Hsu is a senior at Purdue with a major in Physics and minors in Math and Electrical and Computer Engineering. He is currently working in Purdue's Quantum Material and Devices Lab (QMD) under Prof. Yong Chen. He is the Electronic Guru of the lab. He specialized in analog and digital circuit design and analysis, embedded system design and last but not least, physics. His project is primary in Atomic, Molecular, and Optics (AMO) side of the lab, which consists of Purdue's first setup to create Bose-Einstein Condensate (BEC). The projects he had worked on including improving the stability of the laser system, building new lasers and various precision electronic controls for the laser and the machine and design optical systems. Occasionally he also lend help to other professors and students in physics on electronic design. Currently he is working on a setup for a new measurement which include a new laser, new control electronics, a new laser beam into the vacuum chamber and aim a very small beam into a very small BEC. On his spare time he likes to build little electronic gadgets and build lasers that burns stuff, and he also plays sports such as badminton, tennis and baseball.