

## Anika Huhn

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## OBJECTIVE

To gain employment working on or helping with physics research in an industrial setting, with a preference for the fields of semiconductor electronics and condensed matter physics.

## EDUCATION

*Bachelor of Science, Physics*  
Massachusetts Institute of Technology

June 2010

## PROFESSIONAL EXPERIENCE

### *Junction Director*

April 2008 - August 2009

Taught for and directed a summer program located at MIT for high school students.

- Hired teachers, managed a \$40k budget, recruited students, and organized dining and seminar classes.
- Taught *Modern Physics* and *Hands On Topics in Engineering* for a total of more than 80 class-hours.
- Doubled the program in size from what it was in 2007 while increasing satisfaction for both students and teachers.
- Created sustainable practices to further promote growth and awesomeness.

### *Undergraduate Researcher*

Summer 2007, Fall 2008 - Spring 2009

Studied with two groups at MIT. Learned a lot about physics, engineering, and how research gets done.

- Researched the possibilities of using GaN-based photoelectrodes in the production of hydrogen.
  - Worked toward comparing the total efficiencies of different methods of converting solar energy to chemical energy: photovoltaics then electrolysis vs photoelectrolysis.
- Helped build user interfaces for real-time data analysis in a lab studying the 1-3 transition of Li via sympathetic cooling with a Bose-Einstein condensate, i.e. looking at quantum behavior on a macroscopic level. (2007)

## SKILLS

### *Programming and Computers*

I am fluent in Matlab and can read and write Assembly, C, Java, Scheme, and Python.

### *Research*

I have experience in the following areas:

- designing experiments and carrying out data collection and analysis
- using lab equipment including oscilloscopes, power supplies, function generators, I-V measurement systems, cameras, a wire bonder, and an SEM
- working in a clean room.

References available upon request