

Sawyer S. Hopkins

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Objective Statement

To obtain summer employment working in the field of physics and nanotechnologies.

Education

2010

2014

B.S. Physics, Michigan Technological University.

Research Advisor: Dr. Yoke Khin Yap (ykyap@mtu.edu)

Senior Research: "Synthesis and Characterization of Boron Nitride Nanosheets for Applications in Heat Dissipation"

2014

Ph.D. Physics, Kansas State University.

Experience

2012

Undergraduate Research Assistant, Michigan Technological University.

- General synthesis of boron nitride nanostructures using low pressure chemical vapor deposition
- Characterization of various nanostructures
- Measurement and analysis of the thermal properties of boron nitride nanosheets

2011

Undergraduate Teaching Assistant, Michigan Technological University.

- TA for PH1100: Physics by Inquiry I
 - Instruct students in the laboratory setting
 - Course grading
- TA for PH2230: Electronics for Scientist
 - Instruct physics majors in electronic laboratories
 - Course grading
 - Redesign IC/Programming laboratories to use modern Arduino technology

Research Interests

- Nanotechnologies
- Physics
- Material Science

Professional Skills

Languages C#, MATLAB, F#, Java

Software LaTeX, Microsoft Office, Origin Pro, GIT, AutoCAD, Solid Edge

Other Electronics, Spectroscopy, Programmable Controllers

Organizations and Affiliations

- Society of Physics Students (SPS)