

Peter Solfest

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Summary

Recent graduate with a strong background in applied and computational mathematics, and a solid understanding of physics. Pursuing a career which leverages these skills while continuing to develop them.

Education

- **Michigan Technological University** Houghton, MI
M.S. in Applied Mathematics; GPA: 4.00 Aug. 2012 – June 2014
– Advisor: Dr. Jiguang Sun
- **Michigan Technological University** Houghton, MI
B.S. in Physics and Applied/Computational Mathematics; GPA: 3.94 Aug. 2008 – Apr. 2012
– Graduated Summa Cum Laude

Research Experience

- **Senior Research (BS degree)** Houghton, MI
Computational analysis of spectra arising from Mo doped Tungstenite 2011 - 2012
– Advisor: Dr. John Jaszczak
- **Lunar and Planetary Space Academy** NASA - Goddard, MD
Instrumentation development for space based Gamma Ray Spectroscopy Summer 2011
– Mentor: Dr. Ann Parsons
- **Yap Research Group** Michigan Tech
Boron Nitride Nanotube (BNNT) synthesis and application Summer 2010

Work Experience

- **Research Assistant** University of Minnesota
Dept. of Computer Science July 2014– Mar. 2015
– Advisor: Dr. Yousef Saad
– Responsibilities: software development, prepare progress reports
- **Calculus Instructor** Michigan Tech Dept. of Mathematics
Calculus 1 and 2 Jan 2013 – June 2014 (4 semesters)
– Responsibilities: Lecture, Grade, lead study sessions, write exams
– Calc 1 (Spring 2013 - Spring 2014), Calc 2 (Summer 2014)
- **Lab TA** Michigan Tech
Introductory Mechanics, Electronics, Mathematica Aug 2009 – Apr. 2012
– Responsibilities: grade labs; lead lab sections; assist students with Mathematica
– Mathlab (Aug 2009 - Apr 2011), Mechanics (Aug 2010 - Dec 2011), Electronics (Jan 2012 - May 2012)

Skills

- **Software:** GNU Octave, Linux, L^AT_EX, BASH, Mathematica, git
- **Programming Languages:** MATLAB, C, Python, Java

Achievements

- **Outstanding Teaching Award** Michigan Tech Dept. of Mathematics
Graduate Level 2014
- **Co-Recipient of Ian W. Shepherd award** Michigan Tech Dept. of Pysics
"presented each year to the most outstanding physics graduate(s)" 2012
- **Departmental Scholar** Michigan Tech Dept. of Pysics
2011