

Peter M. Solfest
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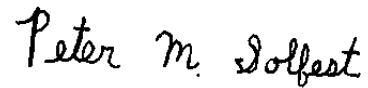
To whom it may concern,

I have recently graduated with a master's degree from Michigan Tech in applied mathematics after completing a B.S. in physics and mathematics. I am pursuing a job with which to employ my computational mathematics knowledge while using my background in physics.

Utilizing my entire educational background will allow me to efficiently contribute to Lincoln laboratory. As a graduate student in mathematics, one of my primary interests was the study of numerical methods, which will be leveraged to contribute to the development and usage of efficient software. My education and internship have also honed my skill at writing technical reports. Furthermore, my undergraduate degree in physics has given me a solid understanding of the physical processes which lie at the heart of modeling software and mathematics.

My educational background in both mathematics and physics will allow me to approach positions with the technical skills required and a thorough understanding of the underlying physical assumptions. Thank you for your time and consideration, and hope to hear from you soon.

Sincerely,

A handwritten signature in black ink that reads "Peter M. Solfest". The script is cursive and fluid, with the first letters of each word being capitalized and prominent.

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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 Physics
"presented each year to the most outstanding physics graduate(s)" 2012
- **Departmental Scholar** Michigan Tech Dept. of Physics
2011