Peter M. Solfest
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Thu 4th Jun, 2015

King Show Games 10275 Wayzata Blvd. Suite 300 Minnetonka, MN 55305

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. Upon achieving this, I entered a Ph.D. program at the University of MN, but have since decided that this degree program did not fit my long term interests. I found the position for Mathematician with King Show Games via Monster.

I will contribute to a King Show Games through the use of my entire educational background. Numerical methods have been one of my primary interests in my studies as a graduate, which will be leveraged to contribute to the development and usage of efficient software. My education and internship have also honed my skill when writing technical reports. These communication skills have been further honed through teaching courses to undergraduates throughout my education. Furthermore, my undergraduate degree in physics has given me a solid understanding of modeling processes and understanding the nuance involved in realistically simplifying complex topics to mathematical models.

My educational background in both mathematics and physics will allow me to approach this position with the technical skills required. Furthermore, my teaching and educational experiences will allow me to effectively communicate with all team members and audiences. Thank you for your time and consideration, and hope to hear from you soon.

Sincerely,

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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, LaTeX, 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