

**Objective**

To seek a full time or a part-time position in a computer and physics related field, which will allow full utilization of skills that I have obtained through education and prior experiences.

**Education**

**Bachelor of Art** (Physics, Applied Mathematics), with Honors in Physics, Goshen College, Goshen, IN (2002)

**Graduate study in Physics**, University of Tennessee, Knoxville, TN (present)

**Work experience**

**Research Assistant in Educational Technology, University of Tennessee** (present)

**Research Assistant in Computational Astrophysics** (present)

**Teaching Assistant, University of Tennessee** (2002-2003)

**Web Database Application Programmer / Analyst, Goshen College** (1999 - 2002)

- *Designed database scheme and application specification for online staff timecard.*
- *Designed, developed, and maintained web database application for online student timecard and automated payroll processing and archiving.*
- *Developed online administrative management system for assigning position and granting certain access to online services for current students, faculty and staff, and security system to prevent unauthorized access to certain data and/or services.*
- *Designed database scheme and application specification for online staff timecard.*
- *Developed and maintained application programming interface (API) for web database application.*
- *Developed online course catalog database and student roster for data entry and data retrieving.*
- *Developed various other smaller projects.*

**Student Tutor for Calculus and General Physics, Goshen College** (1999 - 2002)

*Assisted a student to have better understanding of the course material.*

**ITS Media, Goshen College** (1999 - 2000)

*Set up and supported multimedia technologies for on-campus events.*

**Activities and Awards**

**Poster Presentation at Nuclei in Cosmos VIII Symposium, Vancouver, BC** (July, 2004)

**Poster Presentation at AAS Meeting in Nashville, TN** (May, 2003)

**Poster Presentation at American Astronomical Society Meeting in Seattle, WA** (Jan, 2003)

**Science Alliance Research Program** (summer 2002)

*Developed prototype software for educational technologies using Java Micro Edition (J2ME) to run small wireless devices such as Personal Digital Assistant (PDA) and cellular phones.*

**Research Project in Biophysics** (summer 1999 – 2002)

*Studied and characterized the behavior and properties of the ion channel of the SBMV virus using phospholipid bilayer membrane in order to find the possibilities and ways of blocking the ion channel.*

**Poster Presentation at Biophysics Conference in Boston, 17 –21 February 2001**

**Presentation at National Conference of Undergraduate Research (NCUR) 2000, in Missoula, Montana**

*Published paper available in the proceeding of the conference.*

**Academic Scholarship Award Recipient from NAFSA** (Fall 2000 and Spring 2001)

**Lily Mentoring Program in Goshen High School** (Fall 2000)

*Volunteered as a mentor for a Goshen High School student that joined the program.*

**Maple Scholar Undergraduate Research Program** (Summer 1999)

**Honorable Mention in MAA Mathematical Contest for Modeling** (1999)

**Special Skills**

Computer / Programming Skill: Linux OS, PHP, SQL, MySQL, Java, C++, etc.

**References**

Available upon request

