

Student Name

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Current Address:

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Home Address:

1245 Drive
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Objective: A sixth-month placement in nuclear physics research, defense contracting, or astrophysics.

Education: Bachelor of Science Physics and Mathematics, May 2008

Rose-Hulman Institute of Technology, Terre Haute, IN; **3.93 GPA**

Related courses: Introduction to Quantum Mechanics, Electromagnetism, Fundamentals of Nuclear Physics and Radiation, Fluid and Thermal Systems, Modern Physics, Theoretical Mechanics, Calculus of Variations, Functional Analysis, Numerical Analysis, Differential Geometry, Vector Calculus, Boundary Value Problems, Thermodynamics and Statistical Mechanics.

Parkway South High School, Manchester, MO

Graduated May 2004 with highest honors; 4.34 GPA (4.0 scale)

National Merit Scholar, National Honors Society

Skills:

- C++, UNIX, ROOT, Windows, Microsoft Office, Maple, MatLab, LaTeX, Solid Edge
- Independent drive
- Strong teamwork qualities

Experience: European Organization for Nuclear Research (CERN) – Summer, 2007.

- Participated in ATLAS collaboration as a Summer Student
- Observed, reconstructed, and catalogued cosmic ray events detected in ATLAS
- Presented findings to a number of different teams

Directed Research – Spring, 2007.

- Built plasma confinement machine based on Farnsworth-Hirsch Fusor design

Stanford Linear Accelerator Center (SLAC) – Summer, 2006.

- Analyzed cooldown processes of prototype superconducting quadrupole magnet for the International Linear Collider

Butler Undergraduate Research Conference – April 15, 2005.

- Presented research project: “Electric Modeling and Analysis of a Chaotic Differential Jerk Equation.”

Directed Research – Winter 2004-2005

- Published work on asteroid photometry in Minor Planetary Bulletin Vol. 32 No. 3.

Rose-Hulman Institute of Technology Math Department – Fall 2004-Present

- Provided grading assistance in consistent and efficient manner

Honor and Activities:

Dean’s List all 9 quarters of College Career

National Merit Scholar

Sigma Pi Sigma Physics Honors Society, member

American Physical Society, member

Alpha Lambda Delta Honors Fraternity

Outstanding Orchestra Student, 2004

Washington University Summer Scholar, 2003

Five years of martial arts training

Five years of private cello lessons

References available upon request