

# JASON A KAMIN

## OBJECTIVE

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To obtain research experience in high energy particle physics or a related field in preparation for graduate school.

## EDUCATION

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- 2000 – 2004 Hampshire College Amherst, MA  
*Bachelor's of Arts Degree*
- Physics Concentration
  - Astronomy Concentration
  - Senior Thesis: *Performance Studies of Serial and Parallel Gas Distribution Systems in Monitored Drift Tube Chambers for the ATLAS Detector at LHC, CERN*
  - GPA 3.75/4.00
- 1997 – 2000 Community College of Allegheny County Pittsburgh, PA  
*47 credits*
- GPA 3.50/4.00

## RESEARCH / TEACHING EXPERIENCE

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- 8/03 – 11/03 Laboratori Nazionali di Frascati Frascati, Italy  
*DOE-NSF/INFN Fellowship*
- Data analysis for muon spectrometer to be installed in the ATLAS detector at the LHC at CERN
- 6/03 – 8/03 Stony Brook University Stony Brook, NY  
*Research Experience for Undergraduates, NSF Physics Summer Program*
- Investigating the Cronin Effect in relativistic heavy ion collisions at RHIC
- 2002 – 2003 Hampshire College Amherst, MA  
*Teaching Assistant*
- Physics I & II
  - Musical Acoustics

## COMPUTER EXPERIENCE

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Computer Languages: *C++*, *Fortran*, *HTML*, *True BASIC*.

Relevant Applications: *CERN applications (ROOT, PAW)*, *Simulation programs (PYTHIA, GARFIELD)*, *MathCad*, *MATLAB*, *DataStudio*.

Word Processing: *Emacs*, *Microsoft Office*, *Star Office/OpenOffice Suite*.

Operating Systems: *Windows*, *DOS*, *Linux/UNIX*, *MAC*.

## RELEVANT COURSEWORK

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Nuclear & Particle Physics • Quantum Mechanics • Electricity & Magnetism • Analytical Mechanics • Solid State Physics • Relativity & Quantum Physics • Quantum Computing • Advanced Physics Laboratory (3 segments) • Physics I, II, III • Astrophysics • Supernovae • Cosmology • Stellar Astronomy • Special Topics in Astronomy (Asteroids, SETI) • General/Observational Astronomy • Calculus I, II, III • Linear Algebra

## AWARDS RECEIVED

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Phi Theta Kappa, International Honor Society of the Two-Year College

## LEADERSHIP EXPERIENCE

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- 2002 – 2003      Hampshire College      Amherst, MA  
*Teaching Assistant*  
■ Outdoor Event Creation and Management
- 2002 – 2003      Pioneer Valley      Western Massachusetts  
*Event Planner*  
■ Initiated, organized and implemented the Five College Outdoor Festival (1<sup>st</sup> and 2<sup>nd</sup> Annual), a 5-day festival, with 2 other students.  
■ Included gathering corporate sponsors, keynote speakers and scheduling 10 separate events drawing over 600 people from as far as Maine and Rhode Island.
- Fall 2001      Hampshire College      Amherst, MA  
*Orientation Leader for First-Year Students*  
■ Responsible for reconnaissance, guiding and managing 13 students on a 4-day camping and rock climbing excursion.

## INTERESTS AND ACTIVITIES / CERTIFICATIONS

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Ice Climbing, Rock Climbing, Skiing (snow and water), Bicycling (road and mountain), Soccer, SCUBA diving, guitar and piano.

Certified in Avalanche Safety, First Aid, and CPR (adults, children and infants)

## REFERENCES

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- Piotr Decowski, Professor of Physics, Smith College      (413) 585-3882  
Department of Physics      pdecowski@smith.edu  
Clark Science Center  
Smith College  
Northampton, MA 01063
- Fred Wirth, Associate Professor of Physics, Hampshire College      (413) 559-5572  
Hampshire College Cole Science Center      fwirth@hampshire.edu  
School of Natural Science  
893 West St.  
Amherst, MA 01002
- David Kelly, Professor of Mathematics, Advisor, Hampshire College      (413) 559-5375  
Hampshire College Cole Science Center      dkelly@hampshire.edu  
School of Natural Science  
893 West St.  
Amherst, MA 01002
- Suzan Edwards, Professor of Astronomy, Smith College      (413) 585-3933  
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