

Christopher M. Hayden
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- Objective:**
- To obtain a challenging position that is well suited to my areas of study (physics, mathematics, computer science); that provides opportunities for critical thinking, problem solving, and teamwork; and that offers the possibility of advancement
- Education:**
- **B.S. in Physics**, graduation May 2005 Summa Cum Laude
 - **Majors: Physics, Mathematics** **Minors: Computer Science, Philosophy**
 - **GPA: 3.98** (Cumulative), **3.97** (Physics), **3.98** (Mathematics)
 - Washington College, Chestertown, MD
- Technical Skills:**
- Windows, Macintosh, and Linux/UNIX capable
 - Familiarity with computing hardware
- | Software | Programming Languages |
|---|---|
| <ul style="list-style-type: none">• Microsoft Word, Excel, FrontPage, and PowerPoint• Macromedia Dreamweaver and Fireworks• Adobe Photoshop• Maple | <ul style="list-style-type: none">• C++• Java• Fortran• HTML• BASIC |
- Other Skills/Strengths:**
- **Proficient in Spanish language**, oral and written
 - Work well as a team member
 - Desire for continued learning and experience
- Experience:**
- **Astronomy research intern** at University of Wisconsin-Madison (2004)
 - Used infrared spectral analysis to search for protostar formation in massive HII regions
 - Aided development of models to determine evolutionary stage of protostars
 - **Atomic and Molecular Theory research intern** at Lehigh University (2003)
 - Developed classical models and coded computer simulations of internal oscillatory molecular energy flow
 - Coauthored a paper entitled Dissociative recombination of $e + \text{HCNH}^+$: Diabatic potential curves and dynamics calculations (accepted for publication in *Astronomy and Astrophysics*)
 - Student tutor/mentor at Washington College (2002 – 2005)
 - Lifeguard at Chesapeake Beach Water Park (1999 – 2001)
- Honors and Activities:**
- Member of American Physical Society, American Mathematics Society, Association for Computing Machinery, Sigma Xi National Research Honor Society, Phi Sigma Tau National Philosophy Honor Society, and Washington College Society of Junior Fellows
 - Recipient of Washington College Department of Physics Award, Washington College Department of Mathematics Award, and Washington College J.H. Goodfellow Memorial Prize
 - Goldwater Scholarship Nominee (2004) and Maryland Distinguished Scholar Honorable Mention (2001)
 - Washington College ACM programming competition team captain and billiards club president (leadership positions)
- References:**
- Dr. Karl Kehm, Washington College email: kkehr2@washcoll.edu phone: 410-778-7711
 - Dr. Edward B. Churchwell, University of Wisconsin-Madison email: churchwell@astro.wisc.edu phone: 608-262-4909
 - Dr. A. Peet Hickman, Lehigh University email: aph2@lehigh.edu phone: prefers email contact
 - Dr. Katherine Sack, Washington College email: ksack2@washcoll.edu phone: 410-778-7213

