

RANDY S. MILLER JR.

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JOB OBJECTIVE

To obtain a position that will allow me to utilize my programming skills, my ability to work well with people, and to have the opportunity to grow and develop.

EDUCATION

Penn State University, University Park, PA
Bachelor of Science, Meteorology, May 2013
Focus in Climatology
Minor in Geography
G.P.A. 3.96/4.0

EXPERIENCE

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| Scientific Programmer | Penn State, Dr. Robert Nicholas
University Park, PA | May 2013-Present |
| <ul style="list-style-type: none">• Develop, document, and apply models and tools for dataset processing, decision support, and Earth system, economic, sensitivity, and trad-off analysis• Implement and support web-enabled cyberinfrastructure, high performance computing capability, and remote collaboration tools• Generate visualizations of scientific results• Assist in the creation of education and outreach materials; and provide technical support for SCRiM meetings, workshops, and other activities. | | |
| Research Assistant | Penn State, Dr. Chris Forest
University Park, PA | May 2012- May 2013 |
| <ul style="list-style-type: none">• Author and edit scientific models used for data analysis• Create graphic representations of coverage maps, temperature trends, and other analyses. | | |
| Teaching Assistant | Penn State, Dr. George Young
University Park, PA | Aug-Dec 2012 |
| <ul style="list-style-type: none">• Advise students in computer methods of meteorological analysis and forecasting• Assist students in debugging scientific programs• Coach students on how to utilize campus hardware to conduct meteorological analyses. | | |

COMPUTER SKILLS

Knowledge in multiple computing languages, such as MATLAB, IDL, HTML, PHP, Fortran, and Linux-based languages.
Experience working in a Linux environment, on a campus network.

HONORS AND AWARDS

Charles and Anna Hosler Scholarship in Meteorology
Dean's list, every semester
The Honor Society of Phi Kappa Phi
The National Honor Society of Pi Delta Chi
Graduated with the highest distinction
The Physical Meteorology Award