

Ryan Hamilton Cleary

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OBJECTIVE: Seeking a challenging position in a technically demanding scientific company offering opportunities for career growth.

SUMMARY OF QUALIFICATIONS:

- Educational background in two mathematically demanding scientific fields.
- Strong ability to apply knowledge to various applications.
- Proven capability to self-teach, as demonstrated in thesis work and current employment.
- Computing proficiency with several analytical programs.
- Experience in group interaction, as evidenced by teaching background.
- Excellence in writing and speaking skills, as required by liberal arts education and teaching position.

EDUCATION:

The Pennsylvania State University, State College, PA
Master of Science degree in Meteorology, August 2003

- Grade Point Average: 3.4
- Thesis: "Analysis of the Water Balance of the Hudson River Watershed and its Application to Climate Change"

Hamilton College, Clinton, NY
Bachelor of Arts degree in Physics, May 2001

- Grade Point Average: 86.5
- Minor: Economics
- Thesis: "Geochronology of the Andvord Bay Using ^{210}Pb "

EXPERIENCE:

Computer Sciences Corporation, Research Triangle Park, NC
EPA Scientific Modeling Support
Programmer/Analyst
September 2004-Present

- Responsible for processing and quality assurance of SMOKE emissions for use as input for CMAQ air quality model.
- Maintained and developed UNIX scripts for proper SMOKE use.

The Pennsylvania State University, State College, PA
Graduate Assistant
August 2001-August 2003

- Responsible for teaching introductory meteorology course.
- Conducted research on expected environmental changes on the Hudson River using standard water budget techniques.

AWARDS:

Chi Epsilon Pi, Meteorology Honor Society (2002)
Sigma Xi, Scientific Research Honor Society (2001)
Omicron Delta Epsilon, Economics Honor Society (2001)

COMPUTER SKILLS: Experienced with FORTRAN, Matlab, UNIX, PowerPoint, and Excel.