

Ryan Lyman

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Summary

Forecast meteorologist with experience in deployment and maintenance of meteorological instruments. Proficient in dynamic web-page design and development, data management, Linux system administration, and Perl/CGI and Matlab programming.

Professional Experience

Forecast Meteorologist

Mauna Kea Weather Center (MKWC)

October 2002 to Present

- Issue daily forecasts for the observatories at the summit of Mauna Kea
- Administer Linux Servers and a Cluster
- Maintain the MKWC dynamic web site
- Deployed and manage five weather stations on Mauna Kea
- Manage and archive various meteorological data

Student Trainee

National Weather Service Honolulu Forecast Office via University of Hawaii at Manoa Cooperative Program

January 2000 to September 2002

- Develop and maintain radar case studies of flash flood events for research
- Fine-tune Hawaii's WSR-88Ds viewing capabilities
- Compile statistics of rainfall and watch/warning forecasts

Graduate Teaching Assistant

University of Hawaii at Manoa, Department of Meteorology

August 2000 to July 2002

- Designed, implemented and assessed introductory meteorology laboratory courses
- Assisted faculty members in grading, supervising and other instructional duties associated with undergraduate meteorology courses
- Aided students with their introductory meteorology courses

Student Assistant

National Weather Service Honolulu Forecast Office via Oak Ridge Institute for Science and Education

May 1999 to January 2000

- Updated statewide flash flood case studies, Standard Precipitation Index monthly rainfall, and Central Pacific hurricane databases
- Compiled statistics of hurricane best track and rainfall forecasts
- Provided staff with support of ongoing projects and clerical work

Education

Master of Science in Meteorology

University of Hawaii at Manoa

August 2003

Bachelor of Science in Meteorology

University of Hawaii at Manoa

May 2000

Publications

Lyman, R. E., T. A. Schroeder, and G. M. Barnes, 2005: The heavy rain event of 29 October 2000 in Hana, Maui. *Wea. and Forecasting*, 20, 397-414

Cherubini, T., S. Businger, and R. Lyman, 2008: Modeling turbulence and seeing over Mauna Kea: Algorithm Refinement. *J. of Applied Meteorology and Climatology*, 47, 3033-3043

Cherubini, T., S. Businger, and R. Lyman, and M. Chun, 2008: Modeling turbulence and seeing over Mauna Kea. *Journal of Applied Meteorology and Climatology*, 47, 1040-1155