RÉSUMÉ

Cameron Bracken

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EDUCATION

M.S.	Civil, Environmental and Architectural Engineering (Hydrology, Water Resources, and Environmental Fluid Mechanics), *University of Colorado at Boulder*, 2011
B.S.	Environmental Resources Engineering and Applied Mathematics, *Humboldt State University*, 2009

EXPERIENCE

2009 - Present	Graduate Research Assistant Center for Advanced Decision Support for Water and Environmental Systems
2008	Student Researcher, National Weather Service, Eureka CA
2007	Student Researcher, Environmental Fluids Research Experience for Undergraduates, University of Colorado at Boulder

SKILLS

Modeling	Experience implementing: finite differences, finite elements, optimization, statistical forecasting, time series modeling, Monte Carlo simulation, Particle tracking
Models	Experienced with ADCIRC, SWAN, MODFLOW, RMA2, HEC–RAS, HEC–HMS, RiverWare
OS	Proficient with Mac OS X, Linux, Unix, Windows (XP, Vista, 7)
Programming	Proficient with R, Matlab, Fortran 90/95, LaTeX, HTML, CSS, PHP, Python, Excel
	Familiar with Fortran 77, Ruby, Perl, MySQL, C, C++

AWARDS

Department Fellow, Civil, Environmental and Architectural Engineering, 2009 - Present

Best Undergraduate Research Project, Humboldt State University, Spring 2009

Homer Arnold Award in Applied Engineering for outstanding achievement in applied engineering design involving environmental and resource problems, Humboldt State University, Spring 2009

Roscoe-Schneller Award for outstanding potential in Environmental Resources Engineering, Humboldt State University, Spring 2007 ($500).

Robert S. Chambers Award for academic achievement in mathmatics, Humboldt State University, Spring 2007 ($500).

Honorable mention, 2007 COMAP Mathematical Contest in Modeling (MCM).

Honorable mention, 2008 COMAP Mathematical Contest in Modeling (MCM).

PUBLICATIONS

Bracken, C., B. Rajagopalan, and E. Zagona (2011), A Nonstationary Hidden Markov Model for Stochastic Streamflow Simulation and Short Term Forecasting in the Upper Colorado River Basin, *Submitted to Water Resour. Res.*

Bracken, C., B. Rajagopalan, and J. Prairie (2010), A multisite seasonal ensemble streamflow forecasting technique, Water Resour. Res., 46, W03532, doi:10.1029/2009WR007965.

PRESENTATIONS

Multi-Site Streamflow Forecast Framework: Application to the Upper Colorado River Basin. AGU Fall Meeting H32E: Using Climate Information for Forecast Applications in Hydrology, Water and Energy Management, and Other Sectors II, August 9, 2007.

September 27, 2011