

RÉSUMÉ

Cameron Bracken

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EDUCATION

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

EXPERIENCE

2009 - 2011	Graduate Research Assistant Center for Advanced Decision Support for Water and Environmental Systems, 20 hours/week, 2 years and 4 months
2008	Student Researcher, National Weather Service, Eureka CA, 20 hours/week, 6 months
2007	Student Researcher, Environmental Fluids Research Experience for Undergraduates, University of Colorado at Boulder, 40 hours/week, 10 weeks

SKILLS

General	Time Management, Public Speaking, Technical Writing, Data Analysis, Data Visualization
Data Analysis	Water Resource and Hydrologic Data, Regulated and Unregulated Stream Gauge Data, Reservoir Data (Inflow, Outflow, Evaporation, etc.), Snow and Climate Data
Modeling	Streamflow Forecasting (Regression and Time Series based), Streamflow Simulation, Analysis and Processing Snow and Climate Data
Programming	Extensive experience with data analysis, visualization and statistical programming with R Proficient with Matlab, Fortran 90/95, \LaTeX , HTML, CSS, PHP, Python, Excel
OS	Proficient with Mac OS X, Linux, Unix, Windows

AWARDS

Department Fellow, Civil, Environmental and Architectural Engineering, 2009 - 2011

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 mathematics, Humboldt State University, Spring 2007 (\$500).

PUBLICATIONS

Bracken, C., Zagona, E., Rajagopalan, B. (2011), A New Probabilistic Model for Reservoir Operations in the Upper Colorado River Basin, *Submitted to J. of Hydrology*.

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.

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