Brooks Mason

brooksmason@gmail.com | 518.232.9707

EXPERIENCE

Monsoon, Oakland, CA
Lead Software Engineer   March 2014 – Present
Software Engineer   September 2013 – February 2014
- At Monsoon, I build responsive web apps and back-ends for mobile apps
- Responsibilities include coding, project management, API development, writing tests, database design, deployment, client communication
- Core technologies: Rails, Ember, jQuery, RSpec, Solr, Heroku, AWS

Hack Reactor, San Francisco, CA   August 2013 – September 2013
Guest Instructor
- Fielded live help requests from students
- Wrote tests and solutions for daily challenges

Puddle, San Francisco, CA   May 2013 – August 2013
Contract Software Engineer
- Stack: Ruby on Rails, Ember.js
- Rebuilt site for an open-beta release; developed several core features:
    - On-demand image re-sizing and uploader with S3 storage
    - Inviting feature that integrates with Facebook and Google APIs
    - Passphrase strength algorithm to protect users during key financial transactions and as a backup to Facebook authentication

SCS Global Services, Emeryville, CA   2011 – 2013
Contract Technical Associate
Technical Associate
- Conducted international and domestic audits of manufacturing facilities related to sustainability measures, quality management systems, and indoor air quality emission sources
- Modeled indoor air quality emission factors from various materials and products
- Trained staff on material emissions and air quality modeling

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EDUCATION

University of California, Berkeley, Berkeley, CA 2010
Environmental Engineering and Fluid Mechanics coursework

University of Nevada, Reno, Reno, NV 2008
M.S. Atmospheric Science

The Colorado College, Colorado Springs, CO 2004
B.A. Environmental Science
Minor in Ecological Design
* Alpha Lambda Delta Honor Society
* Ritt Kellogg Grant recipient to backpack the Continental Divide Trail

School for International Training, Belém, Brazil 2002
* Amazonian Ecology and Natural Resource Management
* Thesis Project: Micro-scale Wind Energy in Coastal Pará State

SKILLS

Programming/Web Development: Ruby, Rails, JS, Ember, jQuery, HTML/CSS, RSpec
Software: Word, Excel, PowerPoint, MATLAB, ArcView 3, ArcGIS 9

PUBLICATIONS

J. Brooks Mason, Eric M Fujita, David E Campbell, Barbara Zielinska, "Evaluation of Passive Samplers for Assessment of Community Exposure to Toxic Air Contaminants and Related Pollutants", Environmental Science and Technology, Volume: 45, March 2011

Fujita, E.M., D. Campbell, B. Mason and B. Zielinska, Harbor Community Monitoring Study - Saturation Monitoring. Final report submitted to State of California Air Resources Board, Research Division, Sacramento, CA, December 9, 2008

D. Lowenthal, Zielinska, Mason, et al, "Aerosol characterization studies at Great Smoky Mountains National Park, Summer 2006", Journal of Geophysical Research, VOL. 114, April 2009