



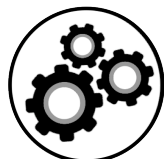
FooBar(Betty)

linkedin.com/in/foobarbetty
github.com/foobarbetty
www.foobarbetty.com

{coder; builder; problemSolver;}

Elisabete Vail

betty@foobarbetty.com



Languages: SQL, R, Java, HTML5, CSS3, JavaScript, PHP, ColdFusion

Platforms: Mac OS X, Windows Vista/7/8, Linux, Amazon EC2

Databases: MS SQL Server 2008, NuoDB (New SQL), MySQL

Tools: Amazon Web Services, Tortoise SVN, JIRA, Sublime, RazorSQL, Vim, Hibernate, JasperSoft iReport, Vmware Fusion, VBulletin, ZenDesk, RightNow, WebCT/eLearning



Healthcare Data Quality Analyst

April 2014 - Present

Humedica - An Optum Company, Boston, MA

- Help build scalable, efficient, automated data pipeline to handle petabytes of healthcare data
- Write software to automate collection, analysis and summary of data quality statistics
- Provide statistical information for data quality, validation and improvement of analytical coverage
- Establish statistical confidence by identifying sample size, acceptable error and performing forensics when errors do arise

Technical Support Engineer

September 2012 - September 2013

NuoDB, Inc., Cambridge, MA

- Prime moderator of NuoDB online Support Forum for Engineer-based community
- Reproduced/resolved issues reported via the forum, GitHub, StackOverflow, Twitter and email
- Documented larger issues via JIRA and created product guides, Wiki pages, TechBlog and visual tutorials to clarify product details for clients and colleagues on Sales, Marketing and Admin teams

Report Developer, Technical Analyst

June 2011 - September 2012

Bullhorn, Inc., Boston, MA

- Built/updated custom JasperSoft iReport, SQL Server and ColdFusion reports and merge documents
- Worked directly with clients and colleagues to explain report functionality and resolve related issues
- Wrote R script for Enterprise team to query SQL database, run calculations and return graphs
- First recipient of peer-nominated "Rock Star Award" in recognition of being a team-player

R Programmer

Summer 2010

Harvard University/Harvard Forest, Petersham, MA

Research Experience for Undergraduates (REU)

Wrote series of R scripts which...

- Filtered 81K+ rows of US Forestry data into 23 subsets based on relevant tree survival factors
- Performed custom calculations utilizing Future Emission Scenario variables and R-based BioMod models, ultimately producing visual maps forecasting possible affect of Climate Change on regional distribution of Oak tree populations

Computer Support Specialist

Fall 2005 - Spring 2010

Simmons College, Technology Support, Boston, MA

- Provided campus wide tech support via phone, email, office visits and "Self Help Clinics"
- Extended computer shelf life by diagnosing issues and replacing hardware
- As "Student Leader" hired, trained, managed junior staff and developed "e-Learning" website

Sea Squirt Population Modeling Project

Spring 2007 - Summer 2008

Simmons College, Boston, MA

- Awarded \$10.5K National Science Foundation grant for self-designed interdisciplinary project to join Woods Hole Oceanographic Institute (WHOI) on Panama field expedition
- Utilized R models to analyze spread of Ascidians (Sea Squirts), an invasive marine organism
- Project led to nomination/induction into Sigma Xi Scientific Research Society and authorship credit on related article published by WHOI



Simmons College, Boston, MA

Class of 2011

B.S. Computer Science

B.S. Biology

Sigma Xi Scientific Research Society
Beta Beta Beta National Biological Honor Society