

Melissa Wiel

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OBJECTIVE

Hardworking and motivated Software Data Scientist with 5+ years of experience looking for new opportunities to leverage extensive background in data management, data visualization, predictive analytics, and UI design.

WORK EXPERIENCE

Causam Energy Inc. – Lead Software Data Scientist Jan 2015 - Present

- Work as part of an agile scrum team, attending stand ups and design sessions, performing code reviews, and helping to build and maintain enterprise level software
- Build high-performance, interactive D3 visualizations in a responsive web UI that deliver complex, large-scale datasets in an easy to understand format
- Create and document RESTful APIs to drive D3 data visualizations
- Perform predictive data analytics, data journalism, and business intelligence on large scale projects using Tableau software and R for internal reporting
- Database management, including data access optimization, data sanitization, importing/exporting data across disparate systems, and overall database design

Brain Power Software - Software Data Scientist May 2012 - Dec 2014

- Worked as part of an agile scrum team to develop and test software that uses the ETL process to integrate the client companies' existing benefit systems into Benefitfocus's enrollment system
- Worked closely with designers and clients to develop company benefit overview statements that delivered valuable and visually appealing information to client company employees
- Managed a user experience lab for testing and evaluating mobile apps

MUSC Institute of Psychiatry - Neuroscience Lab Technician Aug 2007 - Aug 2009

- Input and analyzed large neuroscience data sets
- Gained communication and interpersonal skills while working in a team setting
- Developed and ran neuroscience testing experiments

HIGHLIGHTS

Technical Skills

- Languages: Scala, Java, Javascript, HTML5, CSS3, R, SQL, CQL
- Continuous Integration / Automation/ SCM: Jenkins, Ansible, AWS, GIT, SVN
- Frameworks: Play!, D3, Leaflet, Bootstrap, Kendo UI, Sencha, Selenium, Sass/Less
- Databases and Datastores: MongoDB, Cassandra, Amazon S3, MySQL, SQL Server, Oracle 12C, Neo4j, Hadoop
- Data Analysis Tools: Excel, Tableau, Weka, Minitab 16, Hive
- Software and Services: Atlassian Jira, Microsoft Office, Adobe Creative Cloud, PC/Mac/Linux, IntelliJ, XCode, XMind, OmniGraffle

EDUCATION

College of Charleston - Data Science in Predictive Analytics Jan 2011 - May 2013
Dean's List, S.C. Palmetto Fellows Scholarship, S.C. Palmetto Enhancement Scholarship