Renée Marie Parilak Teate

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WORK EXPERIENCE

Data Analyst, Report and Database Developer
2012-Present

James Madison University - Advancement Information Services   *Harrisonburg, VA*

Provide analysis of constituent and fundraising data for University decision-makers. Develop ad-hoc SQL reports as well as PL/SQL ETL scripts in Ellucian Advance Oracle database to populate custom Oracle Data Warehouse for reporting purposes. Design, develop, and test IBM Cognos list generation and summary reports and provide end-user training. Support user-facing reports and consult with end-users across the University on enhancements and design of new reports to meet operational and strategic needs. Develop and maintain project management system and task assignment for reporting and data analysis team. Spearhead University Advancement data mining and predictive analytics learning and integration plan.

Vice-President and Lead Developer
2004-Present

Neosentials, Inc.   *Harrisonburg, VA*

Responsible for acquiring contracts, defining project specifications and timelines, developing project plans, delegating tasks to and managing team members, managing deliverables, and maintaining relationships with customers. Performed lead development role on 13 contracts, including software design & development (primarily VB.NET), database design & development, professional presentations, technical writing, website development, content management system installation, technical training, and website maintenance.
Details about the projects and referrals from my customers can be provided upon request.

Data Analyst
2011-2012

Rosetta Stone – Online Experience / Customer Success   *Harrisonburg, VA*

Developed SQL queries and Oracle BI reports to analyze product usage, customer demographics, customer support, and sales data from Oracle and MySQL databases. Created and presented ad-hoc and recurring reports to management. Developed plan and reports to assess potential new customer onboarding model. Forecast call center demand for holiday season. Designed report based on product log data to analyze peak times of product use in customers' local time zones. Led Customer Success team Twitter engagement project.

SQL Report Developer/Data Analyst
2010-2011

James Madison University - Advancement Information Services   *Harrisonburg, VA*

Directly queried Oracle database and analyzed data to provide reports on fundraising, alumni and parents, current students, department and organizational funding, and solicitations. Developed report and web form specifications for JMU Office of Annual Giving. Prepared/transformed large dataset for analytics project. Worked independently to maintain level of service on ad-hoc report delivery while new system was being implemented. Provided end-user training and assistance for SunGard Advance reports. Designed & developed task management system.

EDUCATION

University of Virginia
2012-2015

M.Eng. Systems Engineering

- Coursework in Systems Analysis, Cognitive Systems Engineering, Statistics, Discrete Event Stochastic Simulation, Software Project Management, Optimization, Machine Learning, etc.
- Omega Rho Honors Society, 3.75 GPA

James Madison University
2000-2004

B.S. Integrated Science and Technology (ISAT)

- Concentrations: Manufacturing/Engineering, Internet Database Technology
- Subject-Area Honors, Dean's List, 2004

TOOLS/SKILLS

Database-Related: Oracle, MS Access, MS SQL Server, MySQL, TOAD for Oracle, Ellucian Advance, IBM Cognos Framework Manager, IBM Cognos Report Studio
Programming:
   Expertise In: SQL (for all major relational database systems), Oracle PL/SQL
   Strong Experience With: Python, Scikit-learn, VB.NET, ASP.NET, VBA, HTML/CSS, Wordpress Codex
   Experience With: IPython/Jupyter, Anaconda - SciPy Stack, JavaScript, PHP, MS Open Office XML, Android SDK, GNU Octave, RapidMiner, API requests
Misc. Applications: MS Office (Advanced Excel), WordPress, Twitter, Google Analytics, cPanel, FileZilla, ProModel, Arena, TortoiseSVN, GitHub for Windows

RELEVANT "SIDE PROJECTS"

Note: I built all of these myself.

Where2Go4Books (2004-2008) – Online textbook exchange for JMU students

GiftsSheWants (2009-2010) – Website to search for appropriate and desirable gifts for women based on data collected from detailed reviews

WomenWithDroids.com (2010-2012) – Blog for women with Android phones. @WomenWithDroids

BecomingADataScientist.com (2014-present) – Blog about my experiences learning data science, along with @BecomingDataSci topical Twitter account, which currently has 2,500+ followers. Started #SoDS (Summer of Data Science) hashtag. Twitter list of 400+ women in data science.

DataSciGuide.com (2015-present) – Data Science Learning Directory and recommendation system, currently under development.

TALKS/INTERVIEWS

WMRA "The Spark" local radio interview about how I got into website and database development (2013)

"What is Data Science?" Talk delivered to: JMU IEEE Computer Society (Nov 2014), Girl Develop It! (Mar 2015), JMU AIS Staff Meeting (May 2015)

"Building an Alumni Engagement Report using Ellucian Advance data, an Oracle Data Warehouse, and IBM Cognos Reporting", Southeast Mid-Atlantic Advance users conference (Sep 2015)

Broadening Participation in Data Mining (BPDM) interview about Becoming a Data Scientist (Oct 2015)