Delroy Cameron

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Objective

To engineer solutions involving integration of textual data and structured background knowledge, using big data technologies.

Skills

Programming Languages: Java (Experienced), Python (Intermediate), Perl (Intermediate), Scala (Intermediate), R (Beginner), Octave (Beginner), Shell scripting (Experienced), awk/sed (Intermediate). Very excited to learn new languages.

Experienced Frontend Web Developer: HTML, CSS, JSON, REST, Javascript, jQuery, ExtJS, JSP, JavaServlet, J2EE Framework, Ruby (Beginner)

Experienced Backend Developer: Apache Tomcat, SQL, MySQL, HBase, SQLite, SPARQL, Virtuoso RDF Store, Apache Lucene, Apache Solr

Experienced Semantic Web Systems Engineer: SPARQL (Experienced), RDF (Experienced), OWL (Intermediate), DBpedia, Freebase, DrugBank, UMLS, and MeSH (Experienced)

Big Data: Hadoop, Spark, PySpark, Scala Spark, GraphX, Kafka, Zookeeper, Elasticsearch, HBase

Machine Learning: Linear Regression, Logistic Regression

Operating Systems: Very comfortable working in Linux and Mac OS environments

Enterprise Technologies: IBM BigInsights, SystemT, UIMA, AQL

Version Control Systems: SVN, Git

Experience

URX
Data Scientist
San Francisco, CA
Feb. 2015 – present

Education

Wright State University
Ph.D. in Computer Science
Dayton, OH
Jan. 2008 – Dec. 2014

University of Georgia
Master of Science in Computer Science
Athens, GA
Aug. 2005 – Dec. 2007

Savannah State University
Bachelor of Science in Computer Science Technology
Savannah, GA
Aug. 2001 – May 2005

Projects

1. *Obvio – (2010.6 - 2014.12)*
   For my PhD dissertation, I developed Obvio to discover knowledge from biomedical literature – working with a team of three masters students, three faculty, and two government (NIH) scientist. This application was implemented using jQuery, Javascript, and Cytoscape.js in the frontend and J2EE, Tomcat, Lucene, SQL, MySQL, SPARQL, and Virtuoso in the backend (see http://bit.ly/obviodemo).

2. *PREDOSE – (2011.7 - 2014.12)*
   I also led the development of the PREDOSE platform, which detects emerging patterns and trends in prescription drug abuse from web forum discussions. The team consisted of several undergraduate students, five masters students, five PhD students, two post-docs, and five faculty, over almost four years. PREDOSE was developed using Javascript and ExtJS in the frontend and J2EE, Tomcat, Lucene, SQL, MySQL, SPARQL, and Virtuoso in the backend (see `http://bit.ly/kasdemo` & `http://bit.ly/predemo`)

Internships

IBM Almaden (2012), NIH (2010, 2013)

Patents, Publications, and Proposals

Patents: Two pending: IBM (1), WSU (1)
Publications: Four journal papers, three conference papers, and two workshop papers (see ▷).
Proposals: Contributed significantly to acquiring more than \$700K in funding for the PREDOSE project

Professional Activities

Workshop Organizer: SWLBD2012 (`http://knoesis.org/swlbd2012/`)
PC Member: SWAT4LS2013, ODBASE2013, SEMAPRO2013, SEMAPRO2012, WEB2012
External Reviewer: ISWC2014, ESWC2014, ISWC2013, MIXHS2012, ISWC2011, TSC2010, DAPD2010, TSC2009