

Experience

- **Accumulo Data Integration Processor** iNovex Information Systems
Software Developer August 2013 - October 2013
 - Handled a variety of data in large volumes by integrating data before it was written to Accumulo, which improved data retrieval at the application layer
 - Dynamically applied provenance information based on the PROV-O provenance ontology to all data headed for Accumulo, which provided lineage to all data read from Accumulo
 - Integrated structured, semi-structured, and unstructured data using W3C Semantic Web standards, which yielded inherent data layer linkages between like or similar entities from disparate data sets
- **Hive Data Extractor** Cambridge Semantics
Big Data Consultant June 2013 - July 2013
 - Extracted metadata from Hive using creativity and basic JDBC driver
 - Enhanced existing relational database extractor to work with Hive
- **Entity Extraction from Unstructured Data** iNovex Information Systems
Software Developer September 2012 - November 2012
 - Implemented OpenCalais to extract entity information from unstructured PDF documents
 - Integrated unstructured and structured data using W3C semantic web standards
 - Created analyst dashboards using HTML, CSS, and Javascript
- **Economic Volatility Genetic Algorithm** Connecticut College
Student January 2012 - May 2012
 - Forecasted economic volatility using a genetic algorithm, which improved on the traditional technique of regression analysis
 - Performed interdisciplinary research under professors Gary Parker (Computer Science) and Purba Mukerji (Economics)

Education

- **Connecticut College** New London, CT
B.A. Major Computer Science, Minor Economics (GPA 3.28) Aug. 2008 - May. 2012
 - Relevant Courses: Computational Intelligence, Artificial Intelligence, Networks, Algorithms, Data Structures, Computer Organization, Topics in Software Development
- **University of Nottingham** Nottingham, UK
Study Abroad Sept. 2010 - Jan. 2011
 - Relevant Courses: Operations Research and Optimization, Knowledge Representation and Reasoning, Graphical User Interfaces, Software Engineering Methodologies, Introduction to Formal Reasoning

Skills

Languages: Experience with Java (Proficient), Bash (Competent), SPARQL (Competent), SQL (Competent), Python (Prior Experience), Javascript (Prior Experience) and Scheme (Prior Experience)

Certifications: Oracle Certified Associate, Java SE 7 Programmer

Misc: Experience with Git, Subversion, Maven, Ant, OSGI, Eclipse, Linux, and Windows