

Brendan T. Heussler
2525 Foster Ave
Baltimore, MD 21224

410.980.9672 (cell)
bheussler@gmail.com

Experience

- **iNovex Information Systems** Hanover, MD
Software Developer *July 2012 - Present*
 - Semantic Data to Accumulo Connector
 - * Integrated structured, semi-structured, and unstructured data using W3C graph data standards
 - * Used Java to write graph data into Accumulo
 - * Dynamically applied provenance information to data using PROVO-O
 - * Used Agile software development principles
 - Hive Extractor (Cambridge Semantics Consultant)
 - * Extracted metadata from Hive using creativity and basic JDBC driver
 - * Enhanced existing relational database extractor to work with Hive
 - Web Development and Maintenance
 - * Created basic web page using HTML and CSS
 - * Administered Apache Web Server with appropriate Linux file system and SELinux permissions
 - * Setup reverse proxy to provide security and appropriate redirection for Lab demos
 - Entity Extraction from Unstructured Data
 - * 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
 - Protein Ontology Building (Cambridge Semantics Consultant)
 - * Worked with scientists from Merck Pharmaceuticals to create an Ontology to describe proteins
 - * Modeled the way proteins, genes, and drugs affect one another in unified ontology
- **iNovex Information Systems** Annapolis, MD
Intern *May 2011 - Aug. 2011*
 - Linked public databases with information on registered sex offenders
 - Developed Semantic Web Technology built to W3C specifications
 - Converted data stored in MySQL databases to linked data (RDF)
 - Built ontology for sex offenders that extends existing ontologies
 - Created and connected several SPARQL endpoints

Education

- **Connecticut College** New London, CT
B.A. Major Computer Science, Minor Economics (GPA 3.28) *Aug. 2008 - May. 2012*
 - Senior Research: Forecasting Economic Volatility with Genetic Algorithms
 - 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

Oracle Certified Associate, Java SE 7 Programmer

Skills

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

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