Ian Gross

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EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy NY
M.S. in Computer Science *May 2018*
B.S. in Computer Science | Minor in Information Technology & Web Science *May 2017*
- Undergraduate Cumulative GPA: 3.15
- *Relevant Coursework:* Algorithms; Data Structures; Database Systems; Distributed Systems; Data Science; Graph Theory; Managing IT Resources; Network Science; Ontology Engineering; Open Source; Operating Systems; Programming Languages; Software Design & Documentation;
- *Dean's List (Spring 2014 & Fall 2015) | Dean's Honor List (Spring 2016)*

RELEVANT EXPERIENCE

MITRE Corporation, Boston, MA *June - August 2017*
Innovation Technology Co-op
- Apply technology to develop solutions for numerous innovation projects.
- Construct unified smart data layer to support task-specific cognitive agents.
- Utilize the IBM Watson Bluemix platform, Python, Apache Tika, and Node-RED.

RPI Tetherless World Constellation, Troy, NY *June 2016 - May 2017*
Undergraduate Researcher
- Collaborator on the Child Health Exposure Analysis Repository project to help expand and register data against an ontology utilizing semantic web technologies.
- Develop additions for HADatAc using IntelliJ, Labkey, Java, SPARQL, and Jena.

Pitney Bowes, Troy, NY *June - August 2015*
Geocoding Engineering Intern
- Assist development team with new releases of MapInfo Professional and Spectrum.
- Implement and test country geocoder to expand existing database using MapInfo Professional, Oracle SQL Developer, Svn, and IntelliJ.

PROJECTS

Knowledge Graph Evaluation System *February 2017 - Present*
- Detect and evaluate inconsistencies from large scale Heterogeneous Knowledge Graphs, constructed by Information Extraction toolkit output and support ontology.
- Implement ontology, use cases, SPARQL queries, and competency questions.

Troy Kitchen Website *September - December 2016*
- Develop a website for a local business, with a focus on content management.
- Built using Drupal, HTML5, CSS3, PHP, MySQL, and FTP Client in a team of five.

SKILLS

Programming:	C, C++, Java, Python, SQL, Prolog
Web Development:	HTML, CSS, JavaScript, PHP, JQuery
Semantic Web:	Ontologies, Knowledge Graphs, RDF, OWL, SPARQL
Utilities:	Linux, Windows, Git, Jira, Svn, PostgreSQL, Agile

LEADERSHIP & ACTIVITIES

Phalanx Leadership Honor Society - *Treasurer*	*Spring 2016 - Present*
Rensselaer Music Association - *Instrument Coordinator*	*Fall 2015 - Present*
Acacia Fraternity - *Secretary & Social Media Chair*	*Fall 2014 - Present*
RMA Clarinet Choir - *Manager & Founding Member*	*Fall 2014 - Present*
RPI Pep Band - *Manager, Treasurer & Librarian*	*Fall 2013 - Present*

HONORS

Who's Who Among Students, Rensselaer Leadership Award, National Honor Society, Tri-M Music Honor Society, NY All County Band