

# 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 & Spring 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 Labkey using IntelliJ, Eclipse, 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, Bootstrap

### *Semantic Web:*

Ontologies, Knowledge Graphs, SPARQL, RDF, OWL

### *Utilities:*

Linux, Windows, Git, Jira, Svn, 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