

# Ian Gross

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## EDUCATION

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### Rensselaer Polytechnic Institute, Troy NY

M.S. in Computer Science

May 2018

- Graduate Cumulative GPA: 3.77
- *Coursework:* Data Science; Distributed Systems; Network Science; Ontology Engineering;

B.S. in Computer Science | Minor in Information Technology & Web Science

May 2017

- Undergraduate Cumulative GPA: 3.15
- *Coursework:* Algorithms; Data Structures; Database Systems; Graph Theory; Managing IT Resources; Open Source; Operating Systems; Programming Languages; Software Design & Documentation;
- *Awards:* Rensselaer Leadership Award; Who's Who Among Students; Dean's List (Spring 2014, Fall 2015, & Spring 2017); Dean's Honor List (Spring & Fall 2016);

## RELEVANT EXPERIENCE

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### MITRE Corporation, Bedford, MA

June - August 2017

*Innovation Technology Co-op*

- Apply technology to develop solutions for various 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 Apache Jena.

### Pitney Bowes, Troy, NY

June - August 2015

*Geocoding Engineering Intern*

- Assist development team with new releases of MapInfo Professional and Spectrum Geocoding.
- Create and test country geocoder to expand existing database using Oracle SQL Developer and IntelliJ.

## PROJECTS

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### Knowledge Graph Evaluation System

February 2017 - Present

- Detect and evaluate inconsistencies from large scale Heterogeneous Knowledge Graphs, constructed by Reach Biomedical Information Extraction output and support ontology.
- Implement ontology, use cases, SPARQL queries, and competency questions.

### NYC Taxi and Weather Data Study

November - December 2017

- Examine the effect of weather on NYC taxi service demand and performance.
- Generate aggregate statistics, determine correlations with Seaborn, and visualize results with Matplotlib.

## SKILLS

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**Programming:** Python, C, C++, Java, SQL, Golang, Prolog

**Web Technologies:** HTML/CSS, JavaScript, Ontologies, Knowledge Graphs, RDF, PHP, jQuery

**Utilities:** Linux, Windows, Git, Jira, Svn, MySQL, PostgreSQL, IntelliJ

## LEADERSHIP AND ACTIVITIES

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**Phalanx Leadership Honor Society** - Treasurer

Spring 2016 - 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