

Ian Gross

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EDUCATION

Rensselaer Polytechnic Institute, Troy NY

M.S. in Computer Science

May 2018

- Graduate Cumulative GPA: 3.77
- *Coursework*: Data Science; Distributed Systems; Natural Language Processing; Network Science;
- *Thesis*: Generation and Evaluation of Linked Data Derived from Information Extraction Methodologies

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; Ontology Engineering; 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

MITRE Corporation, Bedford, MA

June - August 2017

Innovation Technology Co-op

- Derive underlying capabilities of technology and develop solutions for various innovation projects.
- Facilitate resume parsing to extract keywords, match to employees and support recruitment conversation.
- Utilize the IBM Watson Bluemix platform, Python, Apache Tika, Node-RED, and Amazon Echo.

RPI Tetherless World Constellation, Troy, NY

June 2016 - May 2017

Undergraduate Researcher

- Expand and register child health analysis data against an ontology utilizing semantic web technologies.
- Develop features for data acquisition framework 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 improve existing database using Oracle SQL Developer and IntelliJ.

PROJECTS

Knowledge Graph Evaluation System

February 2017 - Present

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

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

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

Utilities: Linux, Windows, Git, Jira, NoSQL, MySQL, IntelliJ, Eclipse

LEADERSHIP AND ACTIVITIES

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