



JARED GRIDLEY

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EDUCATION

Bachelor of Science | *Computer Science and Mathematics*

Aug. 2019 – May 2023

Rensselaer Polytechnic Institute

Troy, NY

International Baccalaureate Diploma

Sept. 2017 – May 2019

Corning-Painted Post High School

Corning, NY

PUBLICATIONS

Predicting malware threat intelligence using KGs

24 May 2021

ACM Conference on Computer and Communications Security 2021

[Link](#)

WORK EXPERIENCE

Honors Intern

June 2020 – December 2021

Federal Bureau of Investigation (Active Security Clearance)

Washington, DC / Albany, NY

- Data Analytics Tools Unit - Washington, DC
 - * Developed sentiment analysis model in python to predict emotion and intensity for Twitter, SMS, etc.
 - * Developed Extraction model with Pytorch and OpenCV to process checks and bank documents.
 - * Developed business object in Scala to ingest data into Entity Resolution pipeline and integrate with knowledge graph.
 - * Developed embedding model to extract cryptocurrency information from case reports (hashes, account ownership, notable transactions on ledger, etc).
- Cyber Division - Albany, NY
 - * Performed memory analysis and basic malware analysis on compromised systems in open cases.
- Administrative Applications Unit - Washington, DC
 - * Developed Backup and restoration methods for blockchain analysis tool and configured AWS infrastructure to support modifications.

Undergraduate Researcher

August 2020 – June 2021

Institute for Data Exploration and Applications at Rensselaer

Troy, NY

- Deep Learning for Threat Intelligence - Natural Language Processing.
- Developed and Tested relationship extraction models that worked specifically on information security text corpus (Python, Pytorch, Keras).
- Testing Knowledge-Based Trust algorithms to evaluate the accuracy of information sources and accuracy of extractors from the extracted facts (Python, Optimization).

Computer Science Mentor

February 2020 – May 2020

Rensselaer Polytechnic Institute

Troy, NY

- Organized sessions for students to get help on Homework, Lecture Exercises, etc.
- Demonstrated how to efficiently debug their code and how to comprehensively test their programs.

PROJECTS

FitInsights	Current
Developing an activity logging service targeted at collegiate runners.	Link
GridleyExcavatingLLC	Spring 2020
Built and currently manage website and maintain IT infrastructure	Link
FiNDME <i>Python</i>	Nov 2019
Wolfram Alpha Computational Intelligence Award Winner	HackRPI
ML for Glucose Monitoring <i>Python</i>	October 2019
App to predicts glucose levels for diabetic patients without tracking devices.	Mount Sinai Health Hackathon

CLUBS AND ORGANIZATIONS

Upsilon Pi Epsilon (Computer Science Honor Society)	Spring 2021 - Present
Rensselaer Polytechnic Institute	Troy, NY
RPISEC (RPI Computer Security Club)	Fall 2019 - Present
Rensselaer Polytechnic Institute	Troy, NY
RPI Cross-Country/Track and Field	Fall 2019 - Present
Rensselaer Polytechnic Institute	Troy, NY

SKILLS

Languages: English (Native), Mandarin (B1)
Programming Languages: Python, C++, Java, R, Scala
ML Frameworks and Libraries: Pytorch, Tensorflow, NumPy, OpenCV, Apache Spark
Cloud Platforms: Amazon Web Services, Databricks, MongoDB