

EDUCATION

B.S., Computer Science Rensselaer Polytechnic Institute September 2015 – May 2018

- 3.0 GPA. Minor in Mathematics. Concentration in Artificial Intelligence and Data.

EMPLOYMENT

Deep Learning Intern Workday May 2017 – Present

- Working on the SYMAN data science team to develop methods for automated expense reporting with deep learning.
- Designing and training a fully-convolutional regression network for the purpose of text bounding box detection.

Investor Contrary Capital January 2017 – Present

- Contrary Capital is a decentralized, university-focused venture capital fund focused on early-stage university startups.
- Sourcing and analyzing the growth potential of student- or faculty-founded startups to invest \$50-250k in seed funding.

Undergraduate Researcher RPI CASE January 2017 – May 2017

- Worked under Prof. Anna Dyson on Data Journey, a Bill & Melinda Gates Foundation-funded platform for visualizing data collected by the Gates HBGDki, an initiative to develop effective solutions for improving worldwide child health.
- Developed an intuitive interface with a novel method for visualizing energy data during the life cycle of a building.

Data Science Intern Haystax Technology May 2016 – August 2016

- Haystax develops advanced security analytics tools to prevent and protect against threats to the most critical systems.
- Developed and deployed an Apache Storm topology into Haystax's flagship product, Constellation, that included real-time text modeling with LDA and classification with CNNs for the purpose of streaming word sense disambiguation.

CEO & Inventor The Inventor's Guild February 2016 – Present

- The Inventor's Guild is a student think tank and consulting firm that has won over three dozen awards, consulted for over two dozen start-ups, and formed professional relationships with many companies including Pebble and Google[x].
- Leading over thirty engineers both in school and industry to promote entrepreneurship by providing both strategic and technical consulting to early-stage startups as well as competing in hackathons and startup competitions.

PROJECTS

- **Linux (2017)** Received funding from Microsoft to develop a keyboard and trackpad driver along with various other hardware hooks to achieve full functionality of Linux (specifically Arch Linux and TAILS) on Apple's latest hardware.
- **Venue (2017)** Managed the development of an open source project to allow students to remotely verify attendance at events outside the classroom without the instructor's presence required by using their phone's camera and GPS.
- **Deep Remix (2016)** Led the development of an unsuccessful open-source attempt to remix music using Deep Learning.
- **ZC Airsoft (2013-2015)** Ran an electronics design company that shipped over 1200 units to more than 1000 customers.

AWARDS

- **1st Place, 2016 TVCoG CleanTech Hackathon**
- **3rd Place, 2017 RPI Class of '51 Entrepreneurship Fund**
- **Semi-Finalist, 2017 New York Business Competition**
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- **Honorable Mention, 2016 Rensselaer IDEA Business Analytics Case Competition**

SKILLS

- **Data Science:** Python (MXNet, TensorFlow, SciPy, scikit-learn), Java + Scala (Apache Spark, Storm, Kafka), Lua (Torch)
- **Data Visualization:** Python (ggplot, seaborn, matplotlib), Javascript (D3.js)
- **Natural Language Processing:** Python (spaCy, gensim, NLTK)
- **Application Development:** Python, Java, Scala, C++, C
- **Web Development:** HTML, CSS, Javascript (jQuery, Express, AngularJS, Node.js), Python (Django, Flask), PHP
- **Other:** \LaTeX , Git, Unix, SQL (MySQL, PostgreSQL), NoSQL (MongoDB)