

# David N Juboor

Philadelphia, PA | (484) 705-3827 | [DavidJ.today](http://DavidJ.today)

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## EXPERIENCE

### LexisNexis

2018

*Sr Data Science Architect / Remote*

- Collaborated in group of 12 to prototype, POC, and MVP a critically high-value future flagship product
- Architected and Implemented **NLP** data extraction pipeline and oversaw supporting engineering team
- Optimized cloud infrastructure for deep learning in both model training and production (**AWS**)

### Bloomberg L.P.

2018

*Data Scientist / Princeton, NJ*

- Updated **NLP** unsupervised clustering via **t-SNE** and **k-NN** for mission-critical stakeholder reporting
- Optimized agile process work-flows for data and engineering teams via systems analysis and ML
- Automated web scraping of flagship product, Bloomberg TicToc, for BI team in **near-real-time**

### GlaxoSmithKline R&D

2017 - 2018

*Data Scientist / Upper Merion, PA*

- Developed deep learning pipelines for **anomaly detection** in autonomous laboratory robotics
- Co-authored industry-wide manuscript for solid dispensing via unsupervised learning in Keras
- Utilized **CNNs** and custom **k-means** algorithms to reduce resources required for drug analysis by **500x**

### Vertex Laboratories

2016 - Present

*Lead Software Engineer / Philadelphia, PA*

- Developed **MLOps** tech stack for reproducible, scalable, and secure group data science research
- Automated scalable cloud-provider-agnostic architectures via **Serverless** Framework
- Managed data pipelining and optimization team to support data science workflow

### Blerc Mobile

2016 - 2017

*Lead Software Engineer / Philadelphia, PA*

- Designed and implemented custom **deep learning** algorithms for mobile recommendation systems
- Implemented modern cloud architectures to reduce server costs and support business goals
- Built data collection systems utilizing **Cloud AI** for OCR, Sent. Analysis, and Object Recognition

### Nanocrystal Solar Lab (Drexel and UPenn)

2016 - 2017

*Chemical Engineer / Philadelphia, PA*

- Designed custom electronics to reduce noise in data increasing capabilities by **over 20x** (patent pending)
  - Utilized advanced signal processing techniques and **IoT** systems to reduce laboratory costs by **30%**
  - **Saved \$20,000** by testing and repairing broken laboratory equipment for use in suspension preparation
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## PROJECTS & HACKATHONS

### SpaceX Hyperloop Competition

2016 - 2017

*Top 5 of 1,200 global teams*

- Supervised 16 engineers who designed, tested, and implemented custom **IoT** control systems software
- Worked with team of 110+ to manufacture hyperloop pod tested at Hawthorne facility January 2017

### MakeMIT

2017

*Awarded >\$16,000 in prizes*

- Incorporated advanced deep learning techniques (**GAN**) on uncharted GPU-supporting hardware
- Generated autonomous visual reporting of complex data structures via unsupervised machine learning

### Apache Spark

2016 - 2016

*Received Honorary Mention*

- Decreased model training by **5x** via Spark's parallel processing capabilities for faster prototyping
- Improved Offline Autonomous Speech Recognition by implementing novel algorithms for data pipeline

## EDUCATION

### Drexel University

2018

*Philadelphia, PA | B.S. in Chemical Engineering*

- Co-founded two companies while taking classes part-time to pursue a “passion degree”
- Coursework had a strong focus on programming, data science, and mathematical modelling

### Northampton Community College

2014

*Northampton, PA | Multiple A.S.*

- Completed multiple associates of science degrees in Chemistry, Biology, British Literature, and Philosophy
- Coursework had a strong focus on systems thinking, international business, and leadership

## LANGUAGES AND SKILLS *\*Most familiar with*

Python\*   Matlab\*   Machine Learning\*   GraphQL   TensorFlow   Keras\*   SQL   Cloud Hosting\*   C++  
Swift   Serverless\*   Data Visualization \*   Apache   Presentations\*   MapReduce   Scrum\*   Hadoop   BI

## INTERESTS

Parkour   Robotics   Table Tennis   Artificial Intelligence   Slam Poetry   Entrepreneurship

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**Blog:**

[www.holdmyramen.com](http://www.holdmyramen.com)

**LinkedIn:**

[www.linkedin.com/in/davidnjuboor](http://www.linkedin.com/in/davidnjuboor)

**GitHub:**

[www.github.com/djuboor](http://www.github.com/djuboor)