David N Juboor

Philadelphia, PA | (484) 705-3827 | DavidJ.today

EDUCATION

Drexel University

Cumulative GPA: 3.2
(Expected) June 2018

Philadelphia, PA | B.S. in Chemical Engineering

- Co-operative education at an accelerated pace including entrepreneurship experience
- Coursework had a strong focus on programming, data science, and mathematical modelling

EXPERIENCE

GlaxoSmithKline R&D   *March 2017 - Present*

Automation Engineer | Upper Merion, PA

- Developed machine learning pipelines for autonomous high throughput laboratory robotics
- Supported industry wide benchmarking manuscript for solid dispensing via unsupervised learning visualizations
- Utilized CNNs in Keras to reduce pre-formulation resources required for drug analysis by 500x

Vertex Laboratories   *October 2016 - Present*

Founder and CTO | Philadelphia, PA

- Navigated strategic partnerships with tech giants NVIDIA, Microsoft, and IBM (among others)
- Recruited, mentored, and promoted future leaders in AI through tech talks and internship program
- Integrated GraphQL on Azure Functions and AWS Lambda to support scalable single-endpoint databases

SpaceX Hyperloop Team   *January 2016 - January 2017*

Head of Control Systems | Philadelphia, PA

- Worked with team of 110+ to manufacture hyperloop pod tested at Hawthorne facility January 2017
- Supervised 16 engineers who designed, tested, and implemented controls software for prototype
- Designed, manufactured, and fielded custom navigational aid sensors to automate control stages

PROJECTS & HACKATHONS

Zillow $1.2M Competition   *Current*

Hosted by Kaggle

- Automated G-Means clustering algorithm to determine training subsets of interest
- Implemented automatic Barnes-Hutt-SNE onto sparse datasets to visualize underlying distribution shifts

MakeMIT   *February 25, 2107*

Awarded >$16,000 in prizes

- Incorporated generative adversarial networks with GPU support on an NVIDIA Jetson TX-1 Development Kit
- Generated text letter-by-letter to write poetry in English exhibiting short and long range form

Apache Spark   *May 2016 - August 2016*

Received Honorary Mention

- Decreased model training by 5x via Spark's parallel processing capabilities for faster prototyping
- Improved voice detection and data collection by implementing novel algorithms for data pipeline

LANGUAGES AND SKILLS *Most familiar with*

Python*   Matlab*   Machine Learning*   GraphQL   TensorFlow   Keras*   SQL   Cloud Hosting*   C++

INTERESTS

Parkour   Robotics   Table Tennis   Artificial Intelligence   Slam Poetry   Entrepreneurship

---

Blog:	**LinkedIn:**	**GitHub:**
www.holdmyramen.com	www.linkedin.com/in/davidnjuboor	www.github.com/djuboor