

# Neeraj Joshi

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## Education

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**New York University** – New York, NY

**September 2020 – May 2022**

- ◆ Master of Science: Data Science
- ◆ Relevant Coursework: Foundations of Data Science, Probabilistic Time Series Analysis, Risk Management and Machine Learning  
*Anticipated Coursework (Spring 2021):* Machine Learning, Big Data, Natural Language Processing and Computational Semantics

**University of Washington** – Seattle, WA

**September 2012 – June 2016**

- ◆ Bachelor of Science: Applied and Computational Math Sciences (ACMS): Discrete Math and Algorithms Track
- ◆ Relevant Coursework: Data Programming, Computational and Statistical Data Analysis, Artificial Intelligence, Algorithms and Computational Complexity, Probability Theory, Data Science, Scientific Computing, Math Modeling, Machine Learning, Database Systems
- ◆ Honors: Dean's List – Junior and Senior Year 2014 - 2016

**New York University** – New York, NY

**June 2014 – August 2014**

- ◆ Probability Theory

## Personal Development

**Neural Networks and Deep Learning** – deeplearning.ai - Coursera

**September 2017**

**Hyperparameter tuning, Regularization, and Optimization** – deeplearning.ai – Coursera

**December 2017**

**Structuring Machine Learning Projects** – deeplearning.ai – Coursera

**January 2018**

**A/B Testing by Google** – Udacity

**July 2019**

## Technical Skills

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Python | Tableau | MATLAB | SQL | Airflow | R | Java | JavaScript | HTML | PHP | CSS

## Professional Experience

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**Data Scientist** - Intuitive Surgical

**June 2016 – August 2020**

- ◆ Revamped customer targeting for sales and new product offerings using business heuristics and clustering techniques to strategically pair our customers to the best-fit service and product.
- ◆ Established a more predictive and transparent view into our Capital Sales Pipeline by employing cross-functional business logic and tree-based classification models. Sales leaders gained the ability to identify deals that are at risk earlier in the quarter and also gauge the total number of deals that would close by end of quarter.
- ◆ Headed an early-stage product initiative to predict the time remaining in a robotic surgery with the use of a random forest classifier and real-time system log data along with historically aggregated metrics. The classifier is currently in the process of gaining approval for our next-gen robot.
- ◆ Launched an in-depth analysis on our system log data to establish indicators of technical proficiency and learning curves describing how quickly surgeons learn on daVinci systems. Built a foundation of metrics and benchmarks around technical efficiency to enable other analysts around the company to assess impact of training-related initiatives.
- ◆ Advised executives across business units (Sales, Marketing, Strategy, Training) on business decisions by performing hypothesis tests and deep data analysis.
- ◆ Built ad-hoc ETL processes using Airflow to spin up datasets that drove predictive modeling.

**Analyst** - data2insight LLC.

**June 2015 – June 2016**

- ◆ Designed a faster and more aesthetic visualization framework by producing a data pipeline from Qualtrics to Tableau using Python scripts and the Tableau API.
- ◆ Assisted with performance measurement and various stages of STEM program evaluation cycles to provide data-driven solutions to clients.