

## EDUCATION

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- **Columbia College, Columbia University** New York, NY  
*Bachelor of Arts in Neuroscience and Statistics (Honors); GPA: 3.63* Sep 2015 – May 2019

## EXPERIENCE

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- **IQVIA** New York, NY  
*Associate (Analyst), Consulting Services* Jul 2019 - Present
  - **Project Management:** Managed day-to-day deliverable development and client interactions on pricing and market access opportunity project for a novel non-small cell lung cancer treatment in the U.S.
  - **Market Analysis:** Delivered competitive market analyses of the asthma injectable market on a weekly basis, serving as the primary contact for a major pharmaceutical company.
  - **Python:** Optimized team's market analysis and forecasting process by replacing manual Excel operations with automated Python scripts designed to automatically retrieve and analyze new data from IQVIA databases.
- **Columbia Data Science Institute** New York, NY  
*DSI Scholar* May 2018 - Aug 2018
  - **Python Natural Language Toolkit (NLTK):** Applied natural language processing (NLP) algorithms using NLTK to perform terminology extraction, sentiment analysis, and topic segmentation on libraries of legislative texts to understand differences in international approaches to writing antitrust regulation.
- **Columbia University Senate** New York, NY  
*Data Analyst and Consultant* Jun 2016 - May 2019
  - **Survey Development:** Designed and launched surveys using Qualtrics to assess the satisfaction of over 15,000 Columbia students and faculty.
  - **Data Analysis:** Developed extensive Python scripts to clean, analyze, and visualize survey results with the aim of identifying areas of improvement in student and faculty satisfaction.
  - **Policy Consulting:** Leveraged Tableau visualizations to deliver policy insights and recommendations to non-technical audience, the Columbia University President and Board of Trustees.
- **Behavioral Research Lab, Columbia Business School** New York, NY  
*Research Assistant* Jun 2016 - Jun 2018
  - **Research:** Drove the execution of Columbia Business School research initiatives by recruiting participants, designing and conducting studies, and delivering data-driven insights using R language and Tableau
- **Columbia Visual Science Lab** New York, NY  
*Researcher* Sep 2015 - May 2019
  - **Machine Learning Research:** Studied the application of machine learning classification algorithms on clinical measures of optical coherence tomography scans. Developed a multiclass RandomForest classification algorithm that achieved 93% accuracy in distinguishing between three groups of neuropathy patients.
  - **Deep Learning Research:** Investigated the application of convolutional neural networks (CNNs) using TensorFlow to optical coherence tomography scans, eliminating the previous RandomForest model's need for manual measurements by trained ophthalmologists.

## PROJECTS

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- **Classifying Retinal Scans with Random Forest Algorithm:** Application of RandomForest classification model to accurately distinguish between three groups of patients using clinical measures of disease.

## SKILLS

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- **Languages:** Python, SQL, R
- **Python Modules:** NumPy, Pandas, SciPy, Scikit-Learn, TensorFlow, Keras, NLTK, Matplotlib, Seaborn, XGBoost
- **Data Science:** Data munging and analysis, data visualization, machine learning and deep learning (classification regression, feature engineering, model selection and validation, hyperparameter optimization), natural language processing
- **Additional Skills:** Tableau, Microsoft Excel, Microsoft PowerPoint