THET NAING

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EDUCATION

Columbia College, Columbia University **Sep 2015 – May 2019**

B.A. in Neuroscience and Statistics with Honors (GPA: 3.63/4.00) New York, NY

- Relevant coursework: Machine Learning, Applied Statistical Computing, Calculus III

PROFESSIONAL EXPERIENCE

IQVIA **Jul 2019 – Present**

Associate (Analyst), Consulting Services *New York, NY*

- Lead day-to-day deliverable development and client interactions to determine optimal pricing and market opportunity for novel therapeutics
- Develop robust models for market sizing, revenue forecasting, and competitive market analysis for clients across many major global markets
- Collaborate with IQVIA's AI/ML team to plan and present business development proposals to potential clients

Columbia Data Science Institute **May 2018 – Aug 2018**

DSI Summer Scholar *New York, NY*

- Applied natural language processing (NLP) techniques to perform terminology extraction, sentiment analysis, and topic segmentation on legislative texts to understand differences in international approaches to antitrust regulation

Columbia University Senate **Jun 2016 – May 2019**

Data Analyst and Consultant *New York, NY*

- Designed and launched surveys to assess the satisfaction of over 15,000 Columbia students and faculty
- Developed reproducible Python notebooks to clean, analyze, and visualize annual survey results with the aim of identifying areas of improvement in student and faculty satisfaction
- Leveraged data visualizations to deliver actionable policy insights and recommendations to the Columbia University President and Board of Trustees, a non-technical audience

Columbia Visual Science Lab **Sep 2015 – May 2019**

Researcher *New York, NY*

- Studied the application of Random Forest classification models to the detection and classification of optic neuropathies using clinical measurements, achieving 93% accuracy in classifying patients
- Investigated the application of convolutional neural networks (CNNs) to assess the potential value of deep learning algorithms built into imaging machines for onsite screening of patients

PROJECTS (see www.tnaing.app)

- **Credit Card Fraud Detection:** Credit card fraud detectors trained on a heavily imbalanced dataset of credit card transactions using SMOTE oversampling with artificial neural networks and gradient boosting machines
- **Handwritten Digit Recognition:** Convolutional Neural Networks for handwritten digit recognition; model ranked in top 12% of Kaggle's Digit Recognizer competition
- **Donald Trump Twitter Analysis:** Sentiment analysis of Donald Trump's Twitter using NLP techniques and Valence Aware Dictionary and Sentiment Reasoner (VADER)
- **House Price Prediction with Advanced Regression Techniques**: Prediction of house sale prices with the XGBoost implementation of gradient boosting machines

SKILLS

- **Languages:** Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Keras, TensorFlow, NLTK), SQL, R
- **Techniques:** Data cleaning, analysis, and visualization, machine learning, deep learning, NLP
- **Additional Skills:** Tableau, Think Cell, Microsoft Excel, Microsoft PowerPoint