

THET NAING

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EDUCATION

Columbia College, Columbia University

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

Sep 2015 – May 2019

New York, NY

PROFESSIONAL EXPERIENCE

IQVIA

Jul 2019 – Present

Associate (Analyst), Consulting Services

New York, NY

- Lead the development and delivery of data-driven commercialization strategies for novel therapeutics, most recently winning a ~\$500,000 follow-up engagement with a top pharmaceutical manufacturer
- Head workstreams to develop predictive models and competitive market analyses using various databases
- Analyze patient prescription data to forecast treatment affordability and recommend optimal pricing strategies
- Increase efficiency on multiple analytics and forecasting projects by automating predictive models with Python

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 discern differences in international approaches to antitrust regulation

Columbia University Senate

Jun 2016 – May 2019

Data Analyst and Consultant

New York, NY

- Designed and launched qualitative surveys to assess the satisfaction of over 15,000 Columbia students and faculty
- Applied SQL and Python to clean, analyze, and visualize annual survey results to identify key areas of improvement in student and faculty satisfaction
- Leveraged data visualizations to deliver actionable policy insights to the Columbia University Board of Trustees, resulting in the growth of student resources including the creation of new campus spaces for minority students

Columbia Visual Science Lab

Sep 2015 – May 2019

Researcher

New York, NY

- Pioneered original research on the application of machine learning classifiers to the detection of optic neuropathies using clinical measurements, achieving up to 97% accuracy in classifying patients
- Investigated the application of convolutional neural networks (CNNs) to assess the potential value of deep learning algorithms built into diagnostic imaging machines

PROJECTS (see tnaing.app)

- **AniMate – Anime Recommender:** Collaborative recommendation system to recommend animes based on user ratings; accompanying webapp built with Flask, Bootstrap, and SQLAlchemy and deployed with Heroku
- **Bitcoin Price Forecasting:** Bitcoin price forecasting in Python with recurrent neural networks, long short-term memory neural networks, and Facebook's Prophet framework
- **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)

SKILLS

Machine learning		Deep learning		Analytics	Data analysis and visualization		
Python	NumPy	Pandas	SciPy	Matplotlib	Scikit-learn	Keras	TensorFlow
SQL	Flask	HTML	CSS	Bootstrap	Git/GitHub	Tableau	NLTK