

EDUCATION

Columbia University 2010 to 2013
MS Organic Chemistry 2013

Rensselaer Polytechnic Institute 2005 to 2010
BS/MS Chemistry 2010

SUMMARY

I am an entrepreneur-turned data scientist, ML/AI enthusiast. Currently, I am a Springboard Data Science Fellow with project experience in data analysis and visualization, NLP, machine learning, and deep learning. I have over 7 years of experience in market research, adoption strategy, and product development for early-stage biotech companies. Outside of work I am an avid skier, fitness nerd, and love 80's synth-pop.

SKILLS

DATA SCIENCE: Python, SQL, Data Analysis, Data Visualization, Machine Learning, NLP, Bayesian Statistics, MySQL, Hadoop, Deep Learning, Tensorflow, Inferential Statistics

ENTREPRENEURSHIP: User Engagement, Prototyping, Public Speaking, Shareholder Engagement, Lean Startup, Startup Operations, Medical Devices, Market Research & Strategy, Fundraising

PRODUCT DEVELOPMENT (CHEMISTRY): Organic Chemistry, Polymer Chemistry, Natural Products, Product Characterization, Nanotechnology, Product Manager, Product Roadmap

EMPLOYMENT

SPRINGBOARD New York
Data Science Fellow Jan. 2021 to Current, Jan. 2021 to Current
550+ hours of hands-on curriculum, with 1:1 industry expert mentor oversight, and completion of 2 in-depth capstone projects. Mastering skills in Python, SQL, data analysis, data visualization, hypothesis testing, and machine learning. Machine Learning experience for time-series analysis, deep learning, model deployment, NLP, image processing, and Hadoop.

Capstone Project 1: Predicting Stock Movement using Executive's Tweets

IROS, LLC. New York, NY
Co-Founder Mar. 2015 to Nov. 2019
Co-Founded biotech company that 3D printed biomimetic hydrogel drug-releasing scaffolds as anti-biofilm dissolvable sleeves for implantable medical devices.

EXSPONGE, INC. New York, NY
CTO Nov. 2013 to Jan. 2015
Development of novel, covalently-bound antimicrobial fibers that are safe, non-leaching, and don't lead to antimicrobial resistance.

PROJECTS

CONCUSSION PREDICTION WITH TRANSFER LEARNING Sept. 2021 to Current
Using an RNN to predict concussions with a pre-trained model

STOCK MOVEMENT PREDICTION USING TWITTER Mar. 2021 to Sept. 2021
5 years of stock and twitter data were collected for 6 companies and their executives. Stock movement was predicted using SVM and Logistic Regression Classifiers with features engineered from the company executive's tweets.

ACTIVITIES

PETFINDER.MY - PAWPULARITY CONTEST · kaggle competition group Current
Predicting the popularity of shelter pet photos that to improve animal welfare.