

TYLER POORE

DATA SCIENTIST

✉ tylerjpoore@gmail.com
☎ 307-609-1035
📍 New York, NY
in tylerjpoore-1825
🌐 Pooret

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 I 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

Data Science Fellow

New York
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.
- Trained in time-series analysis, deep learning, model deployment, NLP, image processing, and Hadoop.

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

IrOs, LLC.

Co-Founder

New York, NY
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
- Led end-user engagement to understand the pain point of current practices and develop potential solutions with engineering team
- Acted as product manager, in which I worked with end-users, engineers, and management to develop a product within cost and production constraints that met the needs specified through iterative user-testing
- Performed market research and developed strategies for IP, reimbursement, scaling and distribution, and regulatory approval
- Developed a pricing model that incentivized preventative measure through reducing annual hospital costs
- Created a 3-D printed model that allowed for rapid prototyping and end-user assessment

ExSponge, Inc.

CTO

New York, NY
Nov. 2013 to Jan. 2015

- Development of novel, covalently-bound antimicrobial fibers that are safe, non-leaching, and don't lead to antimicrobial resistance.
- Developed a method for synthesizing biomimetic polymers using microwave-assisted ring-opening polymerization with various antimicrobials.
- Co-authored two provisional patents with Columbia University's tech transfer office.
- Created and presented pitch decks to raise startup capital, bring on board members and company hires, and present results and progress to shareholders.

Projects

Concussion Prediction with RNN

Current

Stock Movement Prediction using Twitter

I performed a binary classification that predicted company stock movement using company executive's tweet data. 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. The best model was an SVM classification using Richard Branson's posts that predicted Virgin Galactic stock movement with 81% accuracy, and an f1 score of 62% for the stock movement (82% for no stock movement).

An Efficient Approach to the Securinega Alkaloids Empowered by Cooperative N-Heterocyclic Carbene/Lewis Acid Catalysis

Developed a novel approach that uses N-heterocyclic carbenes (NHCs) and Lewis acids to forge the entire domain of securinega alkaloids through an ynal-derived homoenolates intermediate.

Education

Columbia University

MS Organic Chemistry 2013

2010 to 2013

Rensselaer Polytechnic Institute

BS/MS Chemistry 2010

2005 to 2010

Activities

PetFinder.my - Pawpularity Contest · kaggle competition group

Predicting the popularity of shelter pet photos that to improve animal welfare.

Current