

Michael Scherrer

Data Scientist - Nestle Waters North America

New York, NY - Email me on Indeed: indeed.com/r/Michael-Scherrer/ab3084130e251ef7

Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist

Nestle Waters North America - New York, NY - April 2017 to Present

- Developed water consumption models and delivery estimates for IoT smart water dispensers in R and Power BI.
- Productionized sales forecasts using R and applied the methodology to forecast monthly delivery driver headcounts.
- Authored and socialized the processes for documenting database architecture, projects, and reports on team Wiki page.

Data Scientist

Truveris - New York, NY - April 2016 to March 2017

- Leveraged pharmaceutical claims data to provide business insights to both the product and client services teams.
- Conducted ROI calculations and billing review using Python and MongoDB for the pharmacy benefits platform.
- Designed and implemented models in R and Python for both internal and external business intelligence tools.
- Launched and maintained the Data Science team's AWS instances, running Apache, Shiny, and Tableau servers.

Data Science Fellow

Insight Data Science - New York, NY - September 2015 to March 2016

- Created parkpic.us, a interactive Flask application to predict the best photo opportunities within US National Parks.
- Collected Flickr photo records and GIS data with API calls and browser automation using a Python and MySQL pipeline.
- Clustered and described photo opportunities using DBSCAN and NLP within a Google Maps and jQuery interface.
- Provided mentoring to peers on project design, demo presentation, statistical methods, and interview preparation.

Market Development Biologist

Sapling Learning - Austin, TX - November 2014 to June 2015

- Showcased the customer value propositions of Sapling's online biology homework products to college professors through 20+ webinars, 100+ one-on-one virtual presentations, 12 nationwide campus demonstrations, and 3 biology conferences.
- Trained the Sales Team on how to effectively communicate the value of Sapling's biology homework products.

- Collaborated with sales teams to identify opportunities and move new business through a multi-million dollar pipeline.

Biology Instructional Support

Sapling Learning - Austin, TX - June 2014 to November 2014

- Launched the first beta trial of a new homework product, consisting of 14 biology professors.
- Led Content Team in the development of standard processes for executing and delivering future beta trials.
- Designed and built a project management tool using JavaScript to communicate priorities to the Content Team.

Research Assistant

- August 2007 to August 2013

- Examined underlying causes of evolutionary rate variation in proteins within the context of their 3D structures.
- Implemented statistical and bioinformatics algorithms across multiple supercomputing clusters using Python.
- Curated and cleaned large genomic and proteomic data sets from public databases for analysis within our laboratory group.

EDUCATION

Doctorate in Cell and Molecular Biology

The University of Texas at Austin - Austin, TX
2013

Bachelor in Biology

SUNY New Paltz
2007

Associate in Liberal Arts

SUNY Delhi
2004

SKILLS

Data Science (3 years), GIS (2 years), jQuery (2 years), MongoDB (2 years), Python (9 years)

LINKS

<http://github.com/iicky>

<http://linkedin.com/in/mpscherrer>

ADDITIONAL INFORMATION

Skills & Tools

- Statistical Methods Classification Clustering Hypothesis Testing Natural Language Processing Regression
- Software Python R Statistical Software JavaScript jQuery d3.js MongoDB SQL Tableau
- Tools Flask pandas NumPy plyr Beautiful Soup GIS scikit-learn SQLAlchemy

Data Science Portfolio

- parkpic.us Prediction and description of photo opportunities in US National Parks using Flickr and GIS data.

- NFLFanfare Play-by-play sentiment visualization of NFL games using Twitter and NFL Game Center data.