KISHAN PATEL

Data Scientist

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EXPERIENCE

Data Scientist

Sonobi

June 2017 – August 2018 Orlando, Florida

- Made recommendations to the Data Science strategy at Sonobi emphasizing the relevant role of Statistics in Business Operations.
- Initiated collaborations with other internal teams on data related matters.
- Researched Time Series methods to deal with diverse & often irregular Time Series data.
- Extensively used Python, Spark, Druid and SQL to experiment & build forecasting system.

Teacher's Assistant

University of Toronto

January 2016 – Present Toronto, Canada

- Delivered Tutorials to students from diverse educational backgrounds on the role of Statistical methodology in solving real problems.
- Helped students develop their own understanding of the material during office hours.
- Teacher's Assistant for:
  - Calculus
  - Introduction to Probability, Introduction to Statistics
  - Advanced Methods of Data Analysis

Statistical Consultant

University of Toronto

Sept 2016 – April 2017 Toronto, Canada

- Consulted for: Canadian National Women's Rugby Team - Laboratory Medicine and Pathobiology Department, University of Toronto, Cafe Au Lait Clinic - Sick Kids Hospital
- Conducted Statistical analysis from problem descriptions given by non-statistical clients.
- Used R to clean, model, and visualize data.

Data Analyst

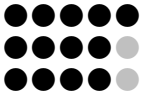
University of Toronto - Writing Center

Jan 2015 – Jan 2016 Toronto, Canada

- Created reliable explanations of student experiences, and usage patterns of the writing center resources.
- Cleaned data using R and Regex.
- Modeled the data with Generalized Linear Models, and verified models with cross validation and information curves.

SKILLS

Python, Pandas
Pytorch, Git, Terminal
Communicating Statistics



EDUCATION

Master of Science - Statistics

University of Toronto

2016 – 2017

Relevant topics included:
The Theory of Statistics · Mathematical Statistics · Applied Statistics (*Linear & Generalized linear Models*, *Linear Mixed models*, *Generalized Additive Models*, *Survival Models*, *Geospatial Models*, *Applied Bayesian Models*) · Computational Statistics (*Newton Raphson Method*, *Genetic Algorithm*, *EM algorithm*, *Importance Sampling*, *Markov Chain Monte Carlo sampling*, *Metropolis-Hasting*)

Honors Bachelor of Science - Mathematics, Statistics

University of Toronto

2012 – 2016

Relevant topics included:
Machine Learning · Statistical Inference · Stochastic Processes · Multivariate Statistics · Time Series · Survey sampling & Experimental Design · Software Engineering · Real Analysis · (Advanced) Calculus · Linear Algebra · Group Theory · Algebraic Geometry · Differential Geometry · Differential Equations · Cryptography · Graph Theory

Non-Degree Arts & Science Entrepreneurship Program

University of Toronto

May 2016 – Aug 2016

Students were tasked with building a technology startup. We were instructed in both business and product development, with weekly technology workshops and business oriented guest speakers. The end goal was to create a product and business model to be pitched in front of investors.

Workshops: *Anglular.js · Meteor.js · Ionic Phonegap · React.js · React Native · Azure (given by Microsoft) · Firebase · Software Testing - Continuous Integration (given by Flipp) · UX Design (given by SAP) · IOS Mobile Development with Swift*

REFEREED CONFERENCE ABSTRACT

Diagnosing Dementia - Kishan Patel

Statistics Graduate Student Research Day, University of Toronto