Skyler Seto

EDUCATION

Cornell University August 2014 - Present
P.H.D. in Statistics with Special Masters in Computer Science (tentative)
Massachusetts Institute of Technology September 2010 - June 2014
B.S. in Mathematics with Computer Science

GRADUATE COURSEWORK

Algorithms, Bayesian Machine Learning, Big Data Analysis, Generalized Linear Models, Machine Learning, Natural Language Processing, Probability Theory, Risk Measures, Statistical Inference, Statistical Learning Theory, Stochastic Processes

RESEARCH EXPERIENCE

Martin Wells Research Group December 2016 - Present
- Developing topic model and variational inference algorithm for tensor data

Andrew Wilson Research Group August 2016 - Present
- Developing approximate inference algorithms for ARMA order determination

Amy Williams Lab Group February 2016 - December 2016
- Developed methods for local-ancestry inference using conditional random fields
- Developed models for inferring sex of ancestors using gender specific genetic maps

WORK EXPERIENCE

Cornell University Statistics Department August 2014 - Present
- Lab instructor for Intro Statistics course: STSCI 2150
- Write labs, collect and organize datasets, and teach R data analysis techniques
- Grader for BTRY 6820 - Graduate level computational genomics course

Riot Games Data Science Team May 2016 - August 2016
- Used time series forecasting models to detect network connection anomalies
- Automated models for real-time anomaly tracking and recording

MIT Anyscale Learning For All Group May 2015 - August 2015
- Used statistical models for car destination prediction
- Built tools for parsing car trip signal data (750 GB) for ML prediction problems

ML AND AI PROJECTS

Predicting Student Final Grades January 2016 - May 2016
- Used approximate inference algorithm for predicting the distribution of final grades

Linguistic Differences in Reddit Users August 2015 - December 2015
- Used language and lexicon models to determine user involvement on subreddits

Human Activity Time Series Classification January 2015 - September 2015
- Designed algorithm based on dynamic time warping for automatic feature selection
- Published in 2015 IEEE Symposium Series on Computational Intelligence

MIT Lego Robot Competition January 2013
- Built an autonomous Lego robot to navigate a field and interact with objects
- Received second place in 2013 competition

TECHNOLOGY

Big Data Software: Hadoop, Spark
Programming Languages: Python, R, SQL, Java, MATLAB