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, Big Data Analysis, Education Technology, Generalized Linear Models, Linear Models, Machine Learning, Natural Language Processing, Non-parametric Statistics, Probability Theory, Quantum Computation, Risk Measures, Statistical Inference, Stochastic Processes

EXPERIENCE

Cornell University BSCB Department   February 2016 - Present
○ Use statistical models for inferring relationships among individuals

Riot Games Data Science Team   May 2016 - August 2016
○ Used forecasting models for network anomaly detection
○ Automated methods for deployment on real-time network data

Cornell University Statistics Department   August 2014 - May 2016
○ Lab instructor for Intro Statistics course: STSCI 2150
○ Write labs, collect and organize datasets, and teach R data analysis techniques

MIT Anyscale Learning For All Group   May 2015 - August 2015
○ Used HMMs for car destination prediction
○ Built framework for parsing car trip data (750 GB) for ML prediction problems

MIT Robotics, Vision, and Sensors Group   June 2013- July 2013
○ Optimized code for surface-reconstruction algorithms of underwater vehicles
○ Explored various parameter settings to improve approximations for flight motion

USF Bioinformatics Department   February 2008 - August 2010
○ Used data mining techniques to systematically uncover HDAC-interacting proteins
○ Confirmed previously known proteins and suggested potential unknown proteins

PUBLICATIONS

Seto, S., Zhang, W., Zhou, Y. (2015) *Multivariate Time Series Classification Using Dynamic Time Warping Template Selection for Human Activity Recognition.* 2015 Symposium Series on Computational Intelligence, Cape Town, South Africa.

Seto, S., Larson, K., Ku, A., Luo, L., and Yu, F. (2013) *Improved High-Order Modulation Maximal Likelihood Detection in MIMO Systems.* 2013 Joint Mathematics Meetings, San Diego, California.

Seto, S., and Qu, X. (2009) *A Comprehensive Bioinformatics Analysis of HDAC-interacting Proteins.* The American Society for Cell Biology 49th Annual Meeting, San Diego, California.

TECHNOLOGY   Python, R, Spark, Hadoop, SQL, Java, MATLAB, HTML/CSS