# SKYLER SETO

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**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, Linear Models, Machine Learning, Natural Language Processing, Non-parametric Statistics, Probability Theory, Quantum Computation, Risk Measures, Statistical Inference, Stochastic Processes

**EXPERIENCE**

**MIT ALFA Group**                                        May 2015 - Present
○ Used HMMs for car destination prediction
○ Parsed and organized Jaguar data (750 GB) for ML prediction problems

**Cornell University Statistics Department**        August 2014 - Present
○ Graduate Teaching Assistant for Intro Statistics courses: STSCI 2150, ILRST 2100
○ Write lab assignments and teach basic R data analysis techniques

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

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

**Hong Kong University of Science and Technology**  June 2012 - August 2012
○ Developed and tested algorithms used in modulation and demodulation of signals
○ Awarded outstanding presentation award at the 2013 Joint Mathematics Meetings

**MIT Computer Science and AI Lab**                May 2011 - February 2012
○ Ported a Distributed Stream Processing system for mobile phones
○ Constructed a bus model for a mobility-sensitive transportation network simulation

**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, Java, MATLAB, Hadoop: MapReduce, Hive, Pig, SQL, HTML/CSS, LaTeX