Jun Chen

PERSONAL DETAILS

Address	46 Park St Apt 18, Lowell, MA
Phone	(508) 981-7334
Mail	Jun_Chen@student.uml.edu

SKILLS

Software	Matlab, LaTeX, R, Python, Java, SAS, Julia, Spark, Minitab, SQL
Analytic	Machine Learning, Data Visualization, Regression Modeling
	Cluster Analysis, Optimization, Stochastic Process, DOE

EDUCATION

Master of Science, Mathematics   2015-2017
University of Massachusetts Lowell, Lowell, MA
  GPA:3.60/4.00, Math Teaching Assistant

Bachelor of Science, Mathematics   2011-2015
University of Massachusetts Boston, Boston ,MA
  GPA: 3.26/4.00, Dean's List

PROJECTS

Hidden Markov Model Learning and Application with R   Dec 2014
- *Defined a function to generate Hidden Markov Chain data*
- *Used HMM package to simulate data and estimate the states*

Accelerated Corrosion of Steel Reinforcement in Sodium Chloride Solution with Minitab   Feb 2016
- *Collected the experimental data: Sodium Chloride Concentration Level, Current Level and Corrosion Time, and Mass loss as response.*
- *Applied Normal Plot, Pareto Chart and ANOVA to determine the factor effects.*
- *Used Contour Plot to find the optimization and target prediction*

Used Cascadic Multigrid for Eigenvalue Problems in Graph Clustering with Matlab   Jun 2016
- *Analyzed the Laplacian matrix for eigenvalues problems.*
- *Approximate minimization problem for 2-way partition. Found the Fiedler Vector by solving eigenvalues.*
- *Applied Cascadic Multigrid method for graph partitioning. Compared the results with run time, edge cut and error.*

Applied Multi-output Estimator to Complete Images with Python   Jan 2017
- *Uploaded the image dataset. Fitted estimators with Extra Trees regression, K-Neighbors, Linear regression and Ridge regression from scikit-learn package.*
- *Plotted estimated images*