Jun Chen

Phone: 617-580-6916 **Address**: 46 Park st Apt 18, Lowell, MA 01852
Github: http://jun1890.github.io **Email**: jun_chen@student.uml.edu

EDUCATION

Master of Science, Mathematics 2015-2017
University of Massachusetts Lowell, Lowell, MA GPA: 3.67/4.00
Bachelor of Science, Mathematics 2011-2014
University of Massachusetts Boston, Boston, MA GPA:3.26/4.00

COMPUTER SKILLS

Languages & Software: Matlab, LaTeX, R, Python, Java, SAS, Julia, Spark, Minitab, SQL.

EXPERIENCE

Data Analyst, BLDUP Jun 2017

- Target certain data point available on the sites with scripts and save them to a database. Import, clean, transform, validate and model complex datasets from multiple sources.
- Design and present data and conclusions in charts, graphs, tables and maintain ongoing reports. Evaluate and advise on data platform and analytic providers for inclusion in project work.

Math Teaching Assistant, University of Massachusetts Lowell 2015-2017

- Help local high school student prepare SAT math exam and tutor college level math courses: calculus, linear algebra, applied mathematics, probability and statistics.
- Meet students at the school and go over their homework assignments in the applicable subject area.

Business Data Analyst Intern, BSH Home Appliances Group 2014-2015

- Create, review, maintain and access databases. Prepare and analyze financial and operating data for the valuation of complex wholesale power transactions.
- Assist in the developing and testing of models and system applications used to support operational and financial reporting needs.
- Develop customized analytical reports to meet requests of external and internal customers.

PROJECTS

Used Cascadic Multigrid for Eigenvalue Problems in Graph Clustering Jun 2016

- Analyzed the Laplacian matrix for eigenvalues problems.
- Approximate minimization problem for 2-way partition. Found the Fiedler Vector.
- Applied Cascadic Multigrid method for graph partitioning.

Accelerated Corrosion of Steel Reinforcement in Sodium Chloride Solution 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.

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.