

# YUMENG SUN

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## CONTACT

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## EDUCATION

### McGill University

*B.A. Computer Science, Statistics*  
September 2012 - October 2015

- CGPA: **3.92** / 4.00
- James McGill Scholarship
- Dean's Honour List

### University of California, Berkeley

*Academic Exchange, Statistics*  
January 2015 - May 2015

- Mobility Undergraduate Award

## LANGUAGES

- Fluent English
- Fluent Mandarin Chinese
- Intermediate French

## SKILLS

- R, Java, Python
- SQL
- Unix
- HTML, CSS (prior experience)
- Classification Algorithms
  - Logistic Regression
  - LDA, QDA
  - KNN
  - Trees
  - SVM

## PROJECTS

### Stack Overflow Text Mining | Language: Python

- Fit a 500-tree *Random Forest* model to predict the tags associated with a selection of 27,425 posts from web-site *Stack Overflow*.
- Achieved overall accuracy of 0.94784 on the test data

### Statistical Indoor Position Prediction | Language: R

- Used *K-Nearest Neighbour* algorithm to predict router locations based on 16,000 detected signals from a hand-held device.
- Determined K using 5-fold Cross-Validation.
- Pre-processed the bad-formatted 16000-row raw data into a 1328x12 matrix using regular expressions and exploratory data analysis.

### Complex National Survey Analysis | Language: R

- Analyzed *American Time Use Survey 2013* on how socio-demographic characteristics associate weekly working hours using the *survey* package.
- Coded data visualizations using the *ggplot2* package and received compliments during presentation.

## EXPERIENCE

### Lab Attendant | February 2014 - December 2014

*Arts Multimedia Language Facility, McGill University*

- Diagnosed and resolved language software(CAN 8) issues.
- Offered Windows Operating System support.
- Redirected problems to correct resource.
- Provided help desk support.
- Documented in shift log and provided feedbacks routinely.

### International Buddy | September 2013 - December 2014

*Buddy Program, McGill University*

- Volunteered to offer linguistic help and cultural guidance to four newly admitted Chinese students.