# YUAN ZHANG

✉ yuanz2299@gmail.com  github.com/yuaz  ⤴ yuanz.me

## SKILLS

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|---|---|
| **Languages** | Python (numpy, pandas), R, C, JavaScript, D3.js, HTML/CSS, Scheme |
| **Tools** | git, vim, LaTeX, RStudio |
| **Others** | Native proficiency in English and French |

## EXPERIENCE

**IBM**                                                                                      Jan 2017 - Apr 2017
*Data Analytics Developer*

· Built automated hourly data visualizations using D3 and Jinja2
· Tested multiple data visualizing libraries including Plot.ly, Elasticsearch, Amplitude, and NVD3
· Created Python scripts to collect warehouse data from CouchDB and perform data manipulation
· Developed a real-time data processing program using reactive programming RxPy to generate large quantity of metadata

**Agriculture and Agri-Food Canada**                                     May 2016 - Aug 2016
*Web Statistics Specialist*

· Assisted users in interpreting web statistics reports and discrepancies
· Created pivot tables spanning two years of web statistics data to perform advanced statistical analysis
· Trained a team of two interns and five permanent employees and prepared a 20-page reference manual on web analytics with the purpose of independent performance

**Marianopolis College**                                                           Jan 2015 - Jun 2015
*Teacher Assistant*

· Graded weekly assignments in Physics, having previously achieved distinguished academic performance
· Performed data analysis and processing using Microsoft Excel

## PROJECTS

**Data Analysis using Linear Models**                                                    May 2017

· Built linear regression models to estimate parameters and perform hypothesis testing using R

**Interactive charts for Best Selling Mangas**                                        March 2017

· Performed data scraping using Python and built interactive scatterplot and bubble chart using D3.js

## ACTIVITIES AND VOLUNTEER EXPERIENCE

**Future Blue Lead,** *IBM*                                                               Jan 2017 - Apr 2017

· Co-Organized bi-monthly career development workshops and social events for 35 interns

**Dept. of Statistics Representative,** *Women in Math Committee*          Oct 2015 - Present

· Representing female students in the Statistics program during committee meetings
· Coordinated the WiM Career Panel 2016 with the Faculty of Mathematics

**Junior Associate in Event Planning,** *Global Chinese Connection*        Jan 2016 - May 2016

· Coordinated the VBA and Excel Workshop for First Year students in partnership with EasyAce

## AWARDS

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|---|---|
| **GHC Scholar 2016** | Awarded to attend Grace Hopper Celebration of Women in Computing |
| **CUMC Scholar 2016** | Awarded to attend Canadian Undergraduate Mathematics Conference |
| **Student Life Award 2015** | Contributed to student life by organizing a Christmas craft bazaar |

## EDUCATION

**University of Waterloo, Canada**                                           2015 - 2019 (Expected)
Honours B. Math., Statistics, Minor in Computer Science                                GPA: 3.2/4.0
Coursework: Object-Oriented Programming, Elementary Algorithm Design and Data Abstraction, Applied Linear Models, Sampling and Experimental Design, Intro to Combinatorics.