

YUAN ZHANG

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SKILLS

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 on best selling mangas between 1948 to 2012 using Python
- Built interactive scatterplot and bubble chart with 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

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.