

DI ZHANG

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☎ (514) · 692 · 6518 🏠 Montréal, Canada

SKILLS

Programming Java, Python, C, HTML/CSS, JavaScript, Node.JS, Bash, Git, Apache
Computing R, SQL, MATLAB, Excel/VBA, LaTeX, MIPS, Maple
Languages Native in English and French

EXPERIENCE

Junior Business Analyst, Canada Revenue Agency Jun - Dec 2016

- Extracted data of last 10 years from IBM Cognos databases and generated reports using Excel.
- Developed VBA programs to animate a Quebec map and automatically create data visualization.
- Researched, written and presented 40-page reports on the economical state of 4 regions in Quebec.

Undergraduate Research Assistant, McGill University Sept - Dec 2016

Supervisor: Professor Laurie Hendren

- Analysed the waiting time of radiotherapy predicted using Gradient Boosting algorithm (Python/SQL/R).
- Identified outliers of the prediction algorithm using statistical distributions.

Teacher Assistant, Marianopolis College Sep 2014 - May 2015

- Graded the assignments of 31 students of Calculus I and II every week, monitored the grades and average of the class using Excel.

PROJECTS

Currency World Map (D3, TopoJSON, Excel) July 2017

Took the OECD Exchange Rates dataset to calculate the annual currency exchange rate of 51 countries from 1960 to 2016. After cleaning and calculating the annual change values in Excel, the data is then mapped on a TopoJSON world map using D3.

SensAI Chatbot (JavaScript, Node.js) June 2017

Implemented a Chatbot that can converse with a user and return a link to a sign language video, based on the word the user is curious about. Project was done using Wit.ai.

EDUCATION

McGill University, Montréal, Canada 2015 - 2018 (Expected)

B.Sc., Computer Science and Statistics

- Courses: Data Structure and Algorithms, Numerical Computing, Probability, Statistics, OS

Nanyang Technological University, Singapore Jan - May 2017

Exchange Semester, Faculty of Computer Science

- Courses: Artificial Intelligence, Database, Computer Graphics, Algorithms

Marianopolis College, Westmount, Canada 2013 - 2015

DEC, Pure and Applied Science

ACCOMPLISHMENTS AND ACTIVITIES

One of twenty students selected for McGill AI for Good Summer Lab June 2017

Intro to Machine Learning, Coursera May 2017

Mobility Award for exchange at Nanyang Technological University, Singapore Jan - May 2017

Awarded the Richard Tapia Celebration scholarship Sep 2016