Gabriel To

Français & English

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PROGRAMMING SKILLS

- **Languages**: Java, Javascript, HTML, CSS, Python, C++, C, LaTeX, SQL, R,

- **Technologies**: ReactJS, Node.js, Slack, Bootstrap, JUnit, Git

- **Microsoft Office**: Word, Excel, Powerpoint

PROJECTS

- **Full stack development**
  - Speed-typing app made in ReactJS, nodeJS and mySQL to practice typing and discovering your high-scores in words per minute.

- **Android development in Java**
  - Android application that lets you search for inspiration of interior design by different categories (bathrooms, bedrooms, kitchens, etc) based on a set list of images.
  - Android application that reads bar code of an item in a store (RONA) to lead you to the web page of the item.

- **Web development**
  - Website made in HTML and CSS that lets the user browse different recipes according to different food categories.

- **Machine learning - MNIST database analysis**
  - Project using different algorithms of classification and regression(HAC, k-NN, isomap, PCA) in Python to categorize images with the scikit-learn library.

- **QA testing**
  - Project about unit tests made with JUnit in order to make sure the business and software needs are met given a list of constraints.

RELEVANT COURSEWORK

- **PH125.8x: Data Science: Machine Learning**
  - Course offered on the edX platform by HarvardX on machine learning
  - Prediction, classifcation and regression in R
  - Recommandation system

- **Introduction to data science**
  - Collection, cleaning and management of data
  - Classification and regression algorithms in Python (Bayes, decision trees)
  - Big data (MapReduce and Hadoop)

- **Software quality and metrics**
  - Unit testing with domain partitioning and border testing (black/white box testing)
  - Quality caracteristics of softwares(ISO/IEC 9126)

EDUCATION

- **Université de Montréal**   Montréal, QC
  Bachelor of Computer Science   2016 - 2020

- **Collège de Maisonneuve**   Montréal, QC
  Diploma of College Studies in administration   2014 - 2016