

# MINNIE NGUYEN

DATA SCIENTIST

📍 Open to APAC / Remote positions

✉ minniexnguyen@gmail.com

☎ +1 438-764-0121

🌐 <https://nminnie.github.io/>

🌐 [nminnie](#)

## WORK EXPERIENCE

---

**Intact Insurance, Data Lab**

Montreal, Canada

**Data Scientist**

Sep 2020 – Present

**Data Scientist Intern**

May – Aug 2020

- Fine-tune and validate transformer models for text classification and named entity recognition to analyze insurance claims in English and French.
- Build masked language modelling code to improve F1-score of multiple NLP projects by up to 15%.
- Research ensemble methods, build specialized stacking pipeline in Python for tree-based models.
- Develop a web interface for machine-assisted annotation and text mining for data scientists.
- Onboard and mentor interns over different semesters and provide guidance on modelling tasks.

**Dynamicly Inc.**

Montreal, Canada

**Data Scientist**

Oct 2019 – Apr 2020

**Data Scientist Intern**

Jun – Sep 2019

- Initiated a project to build an in-house NLU system to power chatbots, which increased accuracy by 29% and removed the need to outsource.
- Collaborated with developers to deploy the model as a server with over 100 users.
- Created analytics dashboards in Power BI to monitor model performance and gain user insights.

**McGill University, Schulich School of Music**

Montreal, Canada

**Student Software Developer**

May – Aug 2018

- Implemented various functionalities for a web-based image recognition software to parse music scores using Python and JavaScript.
- Analyzed runtime performance to find bottlenecks and optimized certain functions by 75 to 90%.

## SKILLS

---

<b>Coding</b>	Python (Pandas, Numpy, Scikit-learn, XGBoost), JavaScript, Bash, Java, SQL
<b>Data</b>	Exploratory Data Analysis, Data Mining, Preprocessing, Visualization, Sampling
<b>Modelling</b>	Feature Engineering, Hyperparameter Tuning, Validation, Monitoring, Language Modelling
<b>Tools</b>	Git, Jupyter Notebook, Jira, Confluence, Power BI, Unit tests
<b>Languages</b>	English (fluent), Vietnamese (fluent), French (intermediate)

## EDUCATION

---

**McGill University**

Montreal, Canada

**B.Sc. Mathematics & Computer Science**, GPA: 3.73/4.0

2015 – 2019

Coursework: Applied Machine Learning, Statistics, Probability, Linear Algebra, Calculus, Algorithms & Data Structures, Software Design, Database Systems, Stochastic Processes

### Certifications

**DeepLearning.AI**: Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Sequence Models

### Awards

Tomlinson Award for Mentoring (2017–2019), McGill University Major Entrance Scholarship (2015), Governor General's Academic Medal (2015), Outstanding Cambridge Learner ("Top in Vietnam", 2014)