MINNIE NGUYEN

DATA SCIENTIST

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in 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 – May 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

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