

HIEU NGUYEN

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EXPERIENCES

Tech Co-founder

b(x) Theory Inc.

Aug 2022 – Sep 2023 Toronto, Canada

- Bootstrapped the venture, securing a portfolio of corporate partners, thereby establishing it as a revenue-generating entity without relying on external funding.
- Led the development of high-performance machine learning models for early business insolvency detection, which played a pivotal role in nearly doubling our clients' business deal generation compared to their existing processes
- Designed & implemented robust databases, data collection, quality assurance, validation processes to secure high-quality & relevant data
- Strategically negotiated with diverse data & technology suppliers to optimize pricing for the business, resulting in substantial cost savings without compromising quality
- Implemented various critical internal business automation processes, maximizing operational efficiency even with limited resources
- Maintained stringent cybersecurity standards across platforms such as Microsoft 365, AWS, Tableau Enterprise, Github, Mailchimp & more, ensuring compliance with industry regulations & standards
- Contributed to the research & execution of diverse strategic business initiatives. These ranged from nurturing client relationships, preparing client demo pitches to implementing tax optimization strategies & effectively overseeing successful marketing campaigns

Data Scientist II

Godaddy Inc.

May 2021 – Aug 2022 Toronto, Canada (Remote)

- Collaborated within a high-performing data science team that develops deep learning models for GoDaddy's core global domain business
- End to end research, development & cloud deployment of novel deep learning methods on AWS (ECS, EC2, EMR, SageMaker) with an average inference latency under 60 milliseconds per request for the domain names auto-completion & generation
- New models led to 28% increase in domain unit purchases, 16% increase in total number of searches with over 30% increase in click through rate, which in total led to an expected increase of over \$20 Million USD in annualized SERP revenues across global markets, as validated by A/B tests
- Substantial improvements in performance occurred via personalizing on language, region & device; testing different tokens mixing mechanisms & neural network architectures such as FNet, Transformer, BERT, CNN, LSTM
- Presented at company-wide quarterly business reviews to the CEO & his directs

Data Scientist I

RBC – Data Science & Analytics (DNA)

Jan 2020 – May 2021 Toronto, Canada

- Collaborated with RBC's Canadian Banking Operations to deliver NLP solutions, which was designed to improve current business process & saved over \$1 Million CAD of expenses per year. Worked on both sides of the model development & product deployment
- New solution resulted in an 19% increase in true positive while minimizing false negative by over 35% relative to the existing business logic

SKILLS

- Teamwork, problem solving & communication
- Major languages: Python, SQL, Golang
- Major Libraries & tools/frameworks: Flask, Pytorch, TensorFlow2.0, Scikit-learn, Spark, MySQL, Redis, MongoDB, AWS, Docker, Jenkins, Github Actions

PATENT

System & Methods for Enterprise Capitalization

US 20210049700

Feb 2021 – Jul 2041

Filed & owned by RBC Capital Markets

EDUCATION

Bachelor of Mathematics – Statistics

University of Waterloo

Dec 2019 Waterloo, Canada

- President's Entrance Scholarship
- Statistical/machine learning courses taken in the last 2 semesters were Master level (120% courseload)
- Finalist - Hackathon by Citadel Securities & Correlation One
- Ranked 1st in Waterloo region and 30th National - Options Trading Contest by TMX

COURSEWARE

Advanced Machine Learning Specialization

Coursera – National Research University

Data Science Foundation Specialization

Coursera – Johns Hopkins University

Deep Learning Specialization

Coursera – Deeplearning.ai

INTERESTS

- Statistical/Machine Learning
- Deep Learning (NLP & RL)
- Software & Data Engineering
- Macroeconomics & Finance