

# SUHENG(PETER) QIAN

📍 Montréal, QC, Canada 📞 (438)-926-0615

**in** <https://www.linkedin.com/in/suheng-qian-242013170/>

**🔗** <https://github.com/dopestdope123/>

## EDUCATION

---

### McGill University

*Sep 2018 - Dec 2022*

*Bachelor of Arts(Double Major in Computer Science and Linguistics)*

Relevant Coursework: Natural Language Processing, Machine Learning, Computational Linguistics, Probability, Linear Algebra, Linguistic Data Analysis, Functional Programming, Cloud Computing, Full-Stack Development, Syntax, Semantics

## SKILLS

---

**Languages:** English, Mandarin, Cantonese, French

**Programming:** Python, Java, C, C#, C++, R, Clojure, SQL, OCaml, Javascript, CSS, HTML, Kotlin, LaTeX

**Software & Tools:** MS Office, Tableau, Praat, Linux, Bash, Git, Kubernetes, Liberalist, MiniVAN

**Libraries:** Pytorch, Tensorflow, HuggingFace, Scikit-learn, numpy, matplotlib, pandas, ggplot, React, Django

**Interests:** Language Modelling, Machine Learning, Data Analysis, Natural Language Processing, Full-Stack Web Development, Cloud Application Development, Data Visualization

## RESEARCH

---

**Comparative Studies of Rhymes in Cantonese and Mandarin in the Department of Linguistics, McGill University** *September 2021 - December 2021*

- Designed the first comparative perception studies to evaluate the rhyming judgement of Cantonese speakers and Madarin speakers
- Acquired programming skills in R and data analytics skills
- Published on the Orientation Journal(Peer-reviewed McGill East Asian studies Journal)

**Genealogic Approach to Low-Resource Language Modelling in the Department of Linguistics/MILA, McGill University** *January 2022 - April 2022*

- Improved the performance of multilingual BERT on low resource languages on fine-tuned syntactic-related tasks from a Genealogic approach
- Provided an alternative for researchers with limited amount of data and resources to pre-train the model
- Used pandas for data analysis and matplotlib for data visualization

## CERTIFICATES

---

**IBM Full Stack Software Developer Certificate, IBM Skills Network** *June 2022 - December 2022*

- Completed multiple courses including cloud application development, web development, containerization, and more
- Acquired working knowledge required for a full stack developer including front-end development and back-end development
- Acquired hands-on experience on developing deployable cloud application

**Machine Learning Specialization, Stanford University/ DeepLearning.AI** *August 2022*

- Acquired a more comprehensive understanding of machine learning
- Obtained hands-on experience with machine learning outside the scope of Natural Language Processing
- Acquired working knowledge with Tensorflow

**Google Data Analytics Certificate, Google** *June 2022*

- Acquired working knowledge with data analytics that is helpful in real world application
- Acquired hands-on experience with database management and R programming
- Acquired useful knowledge with tableau

**C# Programming for Unity Game Development Specialization, University of Colorado** *Dec 2022-Jan 2022*

- Built 2D Unity games in class
- Acquired OOP skills in C#
- Acquired skills with Unity Scripting