# Samuel K. Lo

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Based in Edinburgh, Scotland

## EDUCATION

**MSc Speech and Language Processing**                    Sep 2020 – Aug 2021
University of Edinburgh                                    *Edinburgh, Scotland*
- With Distinction
- Dissertation: The First Text-to-speech System for Yiddish

**BA Linguistics and Language Applications**              Aug 2016 – Jul 2020
City University of Hong Kong (CityU)                      *Kowloon Tong, Hong Kong*
- First Class Honours
- Minor in Computing

**Exchange studies**                                      Jan 2019 – Jun 2019
Uppsala University                                         *Uppsala, Sweden*
- Concentration in linguistics (Distinction in all courses)

**International Summer Course in Modern Icelandic**                    Jul 2017
University of Iceland                                      *Reykjavík, Iceland*
- Grade: 9.5/10

## EMPLOYMENT

**Data Linguist**                                         Jul 2022 – *present*
Speech Graphics                                           *Edinburgh, Scotland*
- Maintaining language tools for facial animation generation

**NLP Application Researcher/Developer**                  Sep 2021 – Jul 2022
Daxtra Technologies                                       *Musselburgh, Scotland*
- Research and development of CV parsing tools using machine learning

**Research Assistant**                                    Jun 2020 – Oct 2020
Caritas Institute of Higher Education                     *Tseung Kwan O, Hong Kong*
- Research on Chinese Pidgin English

**Private Tutor**                                         Sep 2019 – Aug 2020
- English language, IELTS, and programming                *Hong Kong*

**Freelance Materials Editor (Cantonese)**               Apr 2019 – Aug 2019
LanguageBoost                                             *Remote*
- Over 500 words with example sentences, romanisation, gloss and audio

**Student Assistant**                                     Jun 2018 – Nov 2018
Department of Linguistics and Translation, CityU         *Kowloon Tong, Hong Kong*
- Phonetic transcription and segmentation using Praat

**Freelance Materials Writer**                           Sep 2016 – Jan 2018
80/20 English                                            *North Point, Hong Kong*
- Over 225 hours' worth of English lesson plans for primary school students

## Publications & Projects

**REYD – The First Yiddish Text-to-Speech Dataset and System**    Sep 2022
INTERSPEECH 2022      *Incheon, Korea*

**Structure of negation in Norwegian embedded clauses**      Nov 2019
**A phonological sketch of Macanese**      Apr 2019
**Grice's Maxims and inferences in comedic word play**      Mar 2019
**Social class and the use of nonstandard "you was"**      Feb 2019

## Skills

**Computing**
- Languages: **Python**, **C/C++**, **Shell**, **R**, **Java** and **HTML/CSS/JS**
- Packages: **Tensorflow**, **PyTorch**, **NumPy**, **pandas**, and **NLTK**
- Linguistics: **Praat** and **ELAN**
- Adobe: **Photoshop**, **Illustrator**, **Premiere Pro**, and **Audition**

**Languages**
- Native level: **Cantonese** (proficient in Jyutping) and **English** (IELTS 8.5/9)
- Fluent: **Mandarin Chinese**
- Intermediate: **Norwegian**, **Swedish** and **Hong Kong Sign Language**
- Basic: **Scottish Gaelic** and **Icelandic**
- Passive knowledge: **Japanese**, **Spanish**, and **Danish**
- Phonological understanding: **Sinitic** (Chinese), **Germanic**, **Romance**, **Slavic**, **Inuit**, **Arabic**, **Korean**, **Finnish**, and **Hindi–Urdu**

**Writing systems**
- Native: **Latin** and **Chinese** (Traditional and Simplified)
- Fluent: **Kana** and **Cyrillic**
- Intermediate: **Greek**, **Hangul**, and **Hebrew**
- Basic: **Arabic** and **Inuktitut**

## Awards & Certificates

**HKJC Undergraduate Scholarships – HK$432,000**      Jul 2018
Hong Kong Jockey Club      *Happy Valley, Hong Kong*

**Hong Kong Sign Language – Level 5**      Jul 2018
Professional Sign Language Training Centre      *Kwai Fong, Hong Kong*

## Volunteering

**Co-host and Editor**      Oct 2020 – *present*
Podcast 絮言·狂想 (seoi5 jin4 kwong4 soeng2)      *Online*
- Cantonese podcast about linguistics and language

**Gaelic and Scots Languages Panel**      Apr 2022 – Jun 2022
Young Scot      *Scotland*
- Discuss and give suggestions to improve government Gaelic/Scots policies