TIAN GU

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ACADEMIC BACKGROUND

University College London   *2020 - 2021*

MA Linguistics   First Class (predicted on results of all modules)

Dissertation: Toward Effectively Simulating Post-low Bouncing in Mandarin Chinese by PENTAtrainer2: Theory-testing and Model Calibration

Core Modules: Phonetics, Phonology, Syntax, Semantics and Pragmatics, Introduction to Deep Learning for Speech and Language Processing

Other Modules (no credit): Statistics for Dissertation, NLP seminars

University of Liverpool/Xi'an Jiaotong-Liverpool University   *2016-2020*

BA Applied English   First Class

Core Modules: Corpus Linguistics, Forensic Linguistics, Sosiolinguistics, Calculus for Business, Multivariate Calculus (Science and Engineering), Linear Algebra, Physics

ACTIVITIES

Yixing Silver Mile Fluorescent Co.Ltd   Chinese-English Interpreter and Translator

English-Polish Machine Translation   https://github.com/tianopino/machine-translation-

PROGRAMMING EXPERIENCE AND SOFTWARE SKILLS

Python, R, Praat   Data Processing, Statistical Analysis

Project: PENTAtrainer2 (Model Calibration)

PENTAtrainer2 is a speech-synthesis software developed by Professor Yi Xu at UCL.

Used Python (pandas) for data processing and Used R for statistical tests significance test, post-hoc test and correlation, regression analysis

· Used Praat Scripting to automatically label a corpus

Project: English-Polish Machine Translation

· Usd Keras to build a GRU network for MT

· Used Transfer Learning to enhance performance (ENG-FRA – ENG-POL)

HTML, CSS   Web Developing

Project: personal website

https://tianopino.github.io/index.html

LaTex, Praat, PENTAtrainer,ProsodyPro WordSmith   Linguistic/Academic

NATURAL LANGUAGE ABILITY

English: IELTS 7.5

Mandarin Chinese: native

Wu Chinese: native

Cantonese: intermediate