

Yi-Ling Chung

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EDUCATION

- Fondazione Bruno Kessler, Italy** • PhD student, Information and Communication Technologies, 2018-present
Thesis: Knowledge-bound counter-narrative generation in a multilingual perspective
- University of Basque Country — Spain** • M.S. in Language and Communication Technologies 2017
Thesis: Automatic Generation of Named Entity Taggers Leveraging Parallel Corpora
- Kaohsiung Medical University — Taiwan** • B.S. in Psychology, 2011

PUBLICATIONS

- [1] Multilingual Counter Narrative Type Classification.
Yi-Ling Chung, Marco Guerini and Rodrigo Agerri.
The 8th Workshop on Argument Mining, 2021.
- [2] Towards Knowledge-Grounded Counter Narrative Generation for Hate Speech.
Yi-Ling Chung, Serra Sinem Tekiroğlu and Marco Guerini.
The Annual Meeting of the Association for Computational Linguistics (ACL): Findings, 2021.
- [3] Empowering NGOs in Countering Online Hate Messages.
Yi-Ling Chung, Serra Sinem Tekiroğlu, Sara Tonelli and Marco Guerini.
Online Social Networks and Media, 24 (2021): 100150.
- [4] Italian Counter Narrative Generation to Fight Online Hate Speech.
Yi-Ling Chung, Serra Sinem Tekiroğlu and Marco Guerini.
Italian Conference on Computational Linguistics (CLiC-it), 2020.
- [5] Generating Counter Narratives against Online Hate Speech: Data and Strategies.
Serra Sinem Tekiroğlu, **Yi-Ling Chung** and Marco Guerini.
The Annual Conference of the Association for Computational Linguistics (ACL), 2020.
- [6] CONAN - COUNTER NARRATIVES THROUGH NICHE SOURCING: A MULTILINGUAL DATASET OF RESPONSES TO FIGHT ONLINE HATE SPEECH.
Yi-Ling Chung, Elizaveta Kuzmenko, Serra Sinem Tekiroğlu and Marco Guerini.
The Annual Conference of the Association for Computational Linguistics (ACL), 2019.
- [7] Building Named Entity Recognition Taggers via Parallel Corpora.
Rodrigo Agerri, **Yi-Ling Chung**, Itziar Aldabe, Nora Aranberri, Gorka Labaka and German Rigau.
International Conference on Language Resources and Evaluation Conference (LREC), 2018.

RESEARCH EXPERIENCE

Fondazione Bruno Kessler 2018-present, Trento
Ph.D student (Supervisor: Marco Guerini)
Worked on online hatred mitigation: the creation of a counter narrative (CN) dataset [6], strategies for automatically collecting high-quality data [5], CN generation in a multilingual [4] and knowledge-driven [2] setting, and a hate monitoring/countering platform [3].

University of the Basque Country 2021, San Sebastian
Research intern (Supervisors: Rodrigo Agerri)
Worked on counter narrative type classification for Italian, French, and English [1].

University of the Basque Country 2016-2017, San Sebastian
Master student (Supervisors: Rodrigo Agerri, German Rigau)
Worked on inducing automatically multilingual named entity tagger for new target languages across 4 European languages [7]. Worked on Distinguished Spanish idiomatic phrases by training word vectors.

Psychological and Educational Testing, National Taiwan Normal University

2015, Taipei

Researcher

Applied latent semantic analysis for text summarization. Developed on-line reading training system and designed reading training materials for Chinese learners.

Dept. of Psychology, National Cheng Kung University

2013-2014, Tainan

Research Assistant

Analyzed Chinese corpora to inspect semantic relations in terms of entropy, word frequency and part of speech. Conducted corpus analysis for determining the optimal Chinese words learning order using small-world network.

WORK EXPERIENCE

Appen

2018

Linguist project manager (Contractor)

Development of text to speech systems for Mandarin: Provided linguistic guidelines, evaluated data quality, and performed homograph disambiguation, phoneme mapping, and audio analysis. Trained and supervised 4 linguists.

Vicomtech (Visual Interaction & Communication Technologies), IK4

2017, San Sebastian

NLP Internship (Supervisors: Montse Cuadros)

Built a web crawler that extracted, analysed and classified content of social media data and news feeds.

ACTIVITIES AND SCHOLARSHIP

Served as reviewers for LREC, CLiC-it, ACL, NeurIPS

ACL Student Volunteer

2019

Athens NLP summer school, Athens

2019

XII Machine Translation Marathon, Unbabel, Lisbon

2017

Taiwanese European Scholarship for European Masters in Language and Communication Technologies

2015

TECHNOLOGY SUMMARY

Programming languages: Python

Languages: Mandarin Chinese (native), English (professional), Spanish (intermediate)

COURSE HIGHLIGHTS

Machine translation

9/10

Introduction to deep learning

7/10

Deep learning for advanced vision systems

8/10

Machine learning based question answering

3.7/4

Open information extraction

3/4

Statistical natural language processing

3/4

Computational linguistics, morphology and syntax

9/10

Certification: Deep learning Specialization by deeplearning.ai (Andrew Ng) on Coursera

REFERENCE

Mr. Marco Guerini

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Mr. Rodrigo Agerri

Researcher, University of the Basque Country

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