

Yi-Ling Chung

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EDUCATION

- Fondazione Bruno Kessler, Italy** • PhD student, Information and Communication Technologies, 2018-present
Thesis topic: Informative counter-narrative generation (NLG) in a multilingual setting
**PhD in partnership with University of Trento*
- European Masters in Language and Communication Technologies (EMLCT), Emphasis in NLP,** 2017
University of Basque Country — Spain • Dept. of Informatics
Thesis: Automatic Generation of Named Entity Taggers Leveraging Parallel Corpora GPA: 7.82/10
- Kaohsiung Medical University — Taiwan** • B.S. in Psychology, 2011

PUBLICATIONS

- [1] 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.
- [2] Empowering NGOs in Countering Online Hate Messages.
Yi-Ling Chung, Serra Sinem Tekiroğlu, Sara Tonelli and Marco Guerini.
Online Social Networks and Media, 2021.
- [3] 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.
- [4] 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.
- [5] CONAN - COunter NArratives through Nichesourcing: 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.
- [6] 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, Italy
Ph.D student (Supervisor: Marco Guerini)
Worked on online hatred intervention: the creation of counter narratives (CNs) [5], strategies for automatically collecting high quality data [4], CN generation in a multilingual setting [3] and incorporating factoid knowledge [1], and hate monitoring/countering platform [2]. Currently working on multilingual and multi-domain CN generation.

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

University of the Basque Country 2016-2017, San Sebastian, Spain
Master student (Supervisors: Rodrigo Agerri, German Rigau)
Worked on inducing automatically multilingual named entity tagger for a new target language based on word alignments across 4 European languages [4]. Developed a search engine that searched documents and returned related information. Worked on Distinguished Spanish idiomatic phrases by training word vectors.

Psychological and Educational Testing, National Taiwan Normal University

2015, Taipei, Taiwan

Researcher

Applied Latent Semantic Analysis to generate and evaluate summaries given various text 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, Taiwan

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.

INDUSTRY EXPERIENCE

Appen

2018, London, United Kingdom

Linguist project manager on Text to Speech (TTS) project for Mandarin,

Provided linguistic guidelines and performed homograph disambiguation, phoneme mapping, audio analysis (quality control, prosody, intonation, etc) and text normalization. Evaluated data quality. Trained and oversaw 4 linguists to conduct phonemic transcriptions.

Vicomtech (Visual Interaction & Communication Technologies), IK4

2017, San Sebastian, Spain

NLP Internship

Developed a crawler that automatically extracted information from social media and news website. Built a website that analyzed and classified the content of the retrieved data.

ACTIVITIES AND SCHOLARSHIP

Served as reviewers for LREC, CLiC-it, ACL

ACL Student Volunteer

2019

Athens NLP summer school, Athens, Greece

2019

XII Machine Translation Marathon (MTM 2017), 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

Computational linguistics, morphology and syntax 9/10

Machine learning based question answering 3.7/4

Open information extraction 3/4

Statistical natural language processing 3/4

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

REFERENCE

Mr. Marco Guerini (Advisor)

Researcher, Fondazione Bruno Kessler

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Mr. Rodrigo Agerri

Researcher, University of the Basque Country

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