MAREK STRONG

Curriculum Vitae

Cambridge
United Kingdom
✉ *marek.t.strong@gmail.com*
in */marekstrong*

Education

2022 — **PhD, Computer Science**, *University of Cambridge, UK*.
Natural Language and Information Processing Research Group
Research topics: Fact Verification, Temporal Reasoning with LLMs, NLI

2018–2019 — **MPhil, Advanced Computer Science**, *University of Cambridge, UK*.
Grade: Distinction
Research topics: Structured Prediction, Reinforcement Learning

2013–2017 — **BSc Hons, AI and Computer Science**, *University of Edinburgh, UK*.
Grade: First Class, Ranked 1st in the cohort
Research topic: Machine Translation

Research Experience

2023 — **Enrichment Student**, *The Alan Turing Institute (London)*, *Placement Award*.
- Awarded the Enrichment Scheme placement at Turing HQ, an esteemed program providing interdisciplinary collaboration and advanced training, undertaken concurrently with my ongoing PhD studies.

2019 – 2022 — **Applied Scientist**, *Amazon*, *Alexa AI*.
- Developed TTS models for generating expressive speech, focusing on dialogues and long-form reading.
- Led research development of a conversational TTS model that was put into production for Alexa US.

2017 – 2018 — **Research Associate**, *The University of Edinburgh & ATI*.
- ParaCrawl: Developed document and sentence aligners for a pipeline that produces parallel corpora.
- The final dataset was released as the largest publicly available parallel corpora for 24 EU language pairs.

2018 — **ML Engineer**, *Leading Multinational Investment Bank (Name Confidential due to NDA)*, Contract.
- Delivered a Chinese-English translation system.

Publications

2023 — Rami Aly, **Marek Strong**, and Andreas Vlachos. QA-NatVer: Question Answering for Natural Logic-based Fact Verification. 2023. Accepted to EMNLP 2023.

2022 — **Marek Strong**, Jonas Rohnke, Antonio Bonafonte, Mateusz Lajszczak, and Trevor Wood. Discrete Acoustic Space for an Efficient Sampling in Neural Text-To-Speech. In *Proc. IberSPEECH 2022*, pages 1–5, 2022. **Nominated for the best paper award.**

2020 — Marta Banón, Pinzhen Chen, ..., (Strelec) **Strong, Marek**, ..., Dion Wiggins, and Jaume Zaragoza. Paracrawl: Web-scale acquisition of parallel corpora. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 4555–4567, 2020.

Awards

2023 — **PhD Enrichment Scheme - Placement Award**, *The Alan Turing Institute*.
2017 — **Joint BSc Artificial Intelligence and Computer Science Class Prize**, *University of Edinburgh*.
2017 — **Edinburgh Award**, *University of Edinburgh*.
2016-2017 — **Hackathons:**
Skype Junction (1st), Samsung HackZurich (1st), Facebook UK Hackathon (2st), Smart Data Hack (1st)

Teaching & Volunteering

2023 — **Supervisor: Data Science**, *University of Cambridge*.
2023 — **Demonstrator: Machine Learning and Real-world Data**, *University of Cambridge*.
2017 — **Peer mentoring**, *University of Edinburgh*.
2016 — **Demonstrator: Introductory Applied Machine Learning**, The University of Edinburgh.