

Curriculum Vitae

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*.