

Guy Aglionby

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15 JJ Thomson Avenue, Cambridge CB3 0FD

EDUCATION

University of Cambridge

2018 – Present

Ph.D. Computer Science

- Supervisor: Prof. Simone Teufel.
- Working thesis title: Interpretable common sense reasoning using knowledge graphs.
- Emphasis on linguistically-informed, general-purpose knowledge graph structure.
- Homerton College Charter Graduate Award.

University of Cambridge

2017 – 2018

M.Phil. Advanced Computer Science

Distinction

- Supervisors: Dr. Helen Yannakoudakis, Jean Maillard.
- Thesis title: Modelling polysemy in distributional semantic models.
- Computer Laboratory scholarship (one of eight awarded).
- Homerton College Master's Prize for distinguished M.Phil. achievement.
- Coursework in NLP, machine learning, deep learning, reinforcement learning.

University of Bristol

2014 – 2017

B.Sc. Computer Science

1st Class

EMPLOYMENT

Amazon

Autumn 2020

Applied Science Intern

- Alexa Knowledge team.

Expedia

Summer 2017

Software Developer Intern

- Evaluated requirements for, planned, and delivered tool to facilitate communication between marketing and development groups. Responsible for briefing two new developers on the project.

Amazon

Summer 2016

Software Development Engineer Intern

- Improved visualisations in performance measurement tooling after identifying usability problems, requiring efficient manipulation of large amounts of structured data.

Netcraft

Summer 2015

Internet Services Developer Intern

- Sole responsibility for developing company watch face for Android Wear devices given to prize winners, for which I taught myself WearOS development.

PUBLICATIONS

CAMsterdam at SemEval-2019 Task 6: Neural and graph-based feature extraction for the identification of offensive tweets

Guy Aglionby, Christopher Davis, Pushkar Mishra, Andrew Caines, Helen Yannakoudakis, Marek Rei, Ekaterina Shutova and Paula Buttery

In Proceedings of the International Workshop on Semantic Evaluation 2019 (SemEval 2019), Minneapolis, USA

TEACHING

University of Cambridge

Lead Demonstrator

- Machine Learning and Real-world Data (2020).
- Natural Language Processing (2018, 2019).

Demonstrator

- Scientific Computing (2019, 2020).
- Data Science: Principles and Practice (2019).
- Machine Learning and Real-world Data (2019).
- Sutton Trust Summer School (2019).
- Overview of Natural Language Processing (Master's) (2018).

Supervisor (small group teaching)

- Machine Learning and Real-world Data (2019, 2020).

Long Road Sixth Form College, Cambridge

- Classroom assistant for A Level Computer Science (2017).

TALKS & PRESENTATIONS

- **Which laws should go? Helping social scientists analyse public opinion with NLP**
PyData Sofia, June 2020.
- **Neural and graph-based feature extraction for the identification of offensive tweets**
NAACL 2019.
- **Interpretable methods for automatic textual understanding**
Homerton College Research Supper Series, May 2019.
- **Modelling polysemy in distributional semantic models**
Cambridge Language Sciences Annual Symposium, November 2018.

PROFESSIONAL ACTIVITIES

- **Technical chair:** Conference for Truth and Trust Online 2020.
- **NLP Group seminar organiser,** University of Cambridge, 2019 – present.
- **Program committee:** Repl4NLP 2020.
- **Conference volunteer:** ACL 2020 (virtual conference website significant contributor), ICLR 2020.
- **Open source contributor:** Zotero.

VOLUNTEER ROLES

- **President,** University of Cambridge Kickboxing Society, 2019 – 2020.
- **Events officer,** Homerton College graduate student union, 2018 – 2019.
- **President,** University of Bristol Taekwondo Society, 2016 – 2017.

TECHNICAL SKILLS

Main experience	Python, Java, Javascript, SQL, Git, HTML, CSS
Limited experience	C, C#, Bash
Python libraries	PyTorch, Scikit-Learn, NumPy, Pandas, Transformers, Keras