Fatma Elsafoury

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Research Experience

since Aug 2019	**KTP Research Associate**, *University of the West of Scotland and Seric Systems ltd*. **KTP Project:** Detecting Cyberbullying from online collaborative platforms **Supervisor:** Naeem Ramazan **Tools:** Machine Learning, Language Models, Python, and NLP
Sept 2014 – June 2019	**Researcher**, *University of Glasgow*. **Project:** Measuring electoral and protest violence from tweets **Tools:** Machine Learning, Python, and Text analysis

Publications

[1] Fatma Elsafoury et al. "Does BERT pay attention to cyberbullying?" In: *SIGIR*. 2021.

[2] Fatma Elsafoury. "Teargas, Water Cannons and Twitter: A case study on detecting protest repression events in Turkey 2013." In: *Text2Story@ ECIR*. 2020, pp. 5–13.

[3] Sarah Birch and Fatma ElSafoury. "Fraud, Plot, or Collective Delusion? Social Media and Perceptions of Electoral Misconduct in the 2014 Scottish Independence Referendum". In: *Election Law Journal* 16.4 (2017), pp. 470–484.

Talks

Nov 2020	*"Does BERT pay attention to attribution?"* at the *Language Lunch at Edinburgh University*.
Apr 2020	*"Teargas, Water Cannons and Twitter: A case study on detecting protest repression events in Turkey 2013"* at the Text2Story Workshop co-located with ECIR 2020. Video: `https://www.youtube.com/watch?v=rMXBT47RxEY`

Paper Reviews

2021	IEEE/ACM Transactions on Audio, Speech, and Language Processing
2019	SIGIR 2020 Industry track

Honors and awards

2014	University of Glasgow LKAS scholarship 2014. One of only 11 students who was selected for this scholarship and the only student from Africa and the Middle East.
2011	Erasmus Munds scholarship 2011. One of only 3 women from Egypt who was selected for studying in the Netherlands.

Education

Nov 2019 - Now	**PhD student**, *Computer Science*, The University of the West of Scotland. *Thesis Title:* Detecting protest repression incidents from tweets.
Dec 2019	**MSc by Research**, *Computer Science*, University of Glasgow. *Thesis Title:* Detecting protest repression incidents from tweets.

Mar 2013	**MSc**, *GeoInformatics*, Twente University, Enschede, Netherlands.
	Thesis Title: Monitoring Urban Traffic Status Using Twitter Messages.
May 2008	**BSc**, *Computer and information sciences*, Helwan University, Cairo, Egypt.
	Thesis Title: Personal identification through iris recognition system.

Teaching Experience

April 2019 – Aug 2019	**Lecturer (Part-time)**, *School of Computing*, Dundee University. **Responsibilities:** I worked with Data Science MSc students where I helped students with their Programming and Machine Learning assignment and marking assignments.
Sept 2017 – Jan 2019	**Lab Assistant**, *School of Computing*, Glasgow University. **Responsibilities:** I worked as Python and Alice lab tutor for undergraduate students and Java lab tutor for MSc students. I was involved in exam invigilation and Marking. I also supervised 2 MSc students.
Oct 2018 – Dec 2018	**Web development Tutor (Volunteer)**, *Code First Girls*, Glasgow University. **Responsibilities:** I worked as web development tutor for female students and employees in the university of Glasgow. I was responsible for teaching HTML, CSS, JavaScript, BootStrap, JQuery and GitHub.
July 2018 – July 2018	**Python Tutor (Volunteer)**, *PWS Africa*, Ibadaan University, Nigeria. **Responsibilities:** I worked as Python tutor for undergraduate and MSc students at the school of Math in Ibadan university. I was responsible for preparing course material,teaching Python (Basics) and Data Science toolkit (Pandas, Numpy and MatplotLib).

Technical Experience

Dec 2013 – Aug 2014	**Software Developer**, *ESRI-NEA*, Cairo, Egypt. **Responsibilities:** Responsible of developing web-mapping applications using Java script and ArcGIS web.
May 2009 – Aug 2011	**Software Developer**, *ICON Technologies*, Cairo, Egypt. **Responsibilities:** Responsible of developing web and desktop mapping applications using C#, ASP.NET and ArcGIS (desktop and web).

Volunteering

2021 - Now	Organizer of Women_in_NLP Talk Series https://efatmae.github.io/women_in_nlp/
2020 - Now	Volunteer as part of the SICSA PhD Peer Support Group https://www.sicsa.ac.uk/news-events/sicsa-phd-peer-support-group/
2018	Volunteer in a mental health first aide group to help PhD students in Glasgow University
2018	Volunteer teaching basic web technologies to women as part of Code First Girls in Glasgow University
2018	Volunteer as part of Programming Workshop For Scientists In Africa (PWS Africa) teaching Python to undergraduate students in Ibadan University, Nigeria.

Languages

Arabic, *Native Speaker*.

English, *Fluent*.

German, *A2-level(post-Beginner)*.