



NIKOLAOS STYLIANOU

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EDUCATION

- Aristotle University of Thessaloniki** *2017 – 2021*
Doctor of Philosophy, Computer Science
-Thesis: Natural Language Processing & Information Extraction — Advisor: Ioannis Vlahavas
- University of Essex** *2014 – 2015*
Master of Science, Big Data and Text Analytics
- Thesis: Sentiment Analysis on Social Media — Advisor: Massimo Poessio
- University of Essex** *2011 – 2014*
Bachelor of Science, Computer Science
- Thesis: Personalised Search Engine — Advisor: Udo Kruschwitz

EXPERIENCE

Research Experience

- Aristotle University of Thessaloniki** *Nov 2021 – present*
Research Fellow
- Aristotle University of Thessaloniki** *Apr 2017 – Nov 2021*
Research Assistant, with Ioannis Vlahavas

Academic Experience

- Aristotle University of Thessaloniki** *Apr 2017 – Jul 2021*
Teaching assistant, AI101 Machine Learning, with Ioannis Vlahavas
Teaching assistant, NCO-04-02 Artificial Intelligence, with Ioannis Vlahavas
- University of Essex, CSEE Department** *Sep 2013 – Jul 2014*
Peer Mentor

Industry Experience

- Supreme Joint War College** *Dec 2015 – Aug 2016*
Developer and Systems Analyst

TECHNICAL AND PERSONAL SKILLS

Programming/markup Languages:

Proficient in Python, Java, C++, LaTeX, Markdown
Also ability with Matlab, SQL, PHP, JavaScript, HTML

Technological Skills:

Proficient in Pytorch, Tensorflow, NumPy/SciPy, Matplotlib
Also ability with SLURM and Docker

Research Skills:

Good mathematical background, good writing skills, works well in a team and can lead projects.

Languages:

Proficient in English and Greek (First Language)

SELECTED PUBLICATIONS (See [Google Scholar](#) for a full list)

Stylianou, Nikolaos and Ioannis Vlahavas. “TransforMED: End-to-End Transformers for Evidence-Based Medicine and Argument Mining in medical literature” *Journal of Biomedical Informatics* 117 (2021): 103767

Stylianou, Nikolaos and Ioannis Vlahavas. “A Neural Entity Coreference Resolution Review.” *Expert Systems With Applications* 168 (2021): 114466

Stylianou, Nikolaos and Ioannis Vlahavas, “ET: Entity-Transformers. Coreference augmented Neural Language Model for richer mention representations via Entity-Transformer blocks.” in: *Proceedings of the Third Workshop on Computational Models of Reference, Anaphora and Coreference*, Association for Computational Linguistics, Barcelona, Spain (online). pp. 1–10.

Stylianou, Nikolaos, Gerasimos Razis, Dimitrios G. Goulis, and Ioannis Vlahavas. “EBM+: Advancing Evidence-Based Medicine via two level automatic identification of Populations, Interventions, Outcomes in medical literature.” *Artificial Intelligence in Medicine* 108 (2020): 101949.

OTHER EXPERIENCES

University of Essex, Student’s Union

Sep 2012 – Jul 2014

Vice President of Hellenic Society

Organised activities for society members and charity events.

University of Essex, Student’s Union

Sep 2012 – Jul 2012

Charity and Fundraising committee member

Part of the committee responsible for organising and running charitable and fundraising events as well as working with the Student Union’s volunteering team to provide support to the local community.

AWARDS

Academic

State Scholarships Foundation (IKY) - Graduate Scholarship

2018

Miscellany

Tae Kwon Do: Red Belt