Curriculum Vitae

Orestis Papakyriakopoulos

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Website: https://www.hfp.tum.de/politicaldatascience/team/

Experience

Technical University Munich – Bavarian School of Public Policy	02.2017-today
Research Associate, Chair for Political Data Science • **Research Topics:** Political Monitoring in Social Media, Applied NLP, Algorithmic fairness, Data-driven Microtargeting, Bot Detection • **Teaching:** Theory and Practice of Artificial Intelligence, Deep Learning, Politics of Big Data, Data Analysis	
Political-dashboard.com – Political Monitoring Website • Co-creator and front end developer	09.2018-today
Freelance Data-Scientist • Various Projects in applied NLP and in Information retrieval	2017-today
MIT Media Lab – Center for civic media • **Visiting Scholar:** Application of data-intensive NLP for the evaluation of social bias in the US media ecosystem	02. 2019 – 05. 2019
Munich Center for Technology in Society – TUM • **Scientific Assistant:** Administration and communication of Science	03. 2016 – 04. 2017
Engineering Risk Analysis Group – TUM • **Scientific Assistant:** Application of Markov decision process (MDP) models and partially observable Markov decision process (POMDP) models in Infrastructure adaptation problems.	04. 2016 - 07. 2016
Engineering Statistics and Econometrics Application Research Laboratory - State University of New York at Buffalo • **Visiting Scholar:** Lobbying and Political Contributions in the Automotive Industry. Application of seemingly unrelated regression equations (SURE) and random effects models.	05. 2015 - 07. 2015
Fatum – Philosophical magazine for Science, Technology and the Society. TUM • Editorial Staff	2014 - 2017
Center for Geotechnics – TUM • **Scientific Assistant:** Research Project "Resources saving – Mass building Materials in Geotechnics."	11. 2013 - 05.2015
Geoterra - Consulting Engineers and Geologists, Laboratory for Geotechnics and Quality Control	08. 2012 - 02. 2013
Tutor - Mathematics, Physics for High School. In Greek/German	2008 - 2010
Klidarithmos Publishing House - Scientific Books for Universities i.a.	09.2007- 11.2007

Studies

Technical University Munich – Bavarian School of Public Policy	2017-today

PhD Candidate – Political Data Science
- **Supervisor:** Prof. Dr. Simon Hegelich
- **Research Topic:** Influence and Manipulation in German Social Media: Methods, Impact and Consequences for the German Political System in the Digital Era

Technical University Munich – Munich Center for Technology in Society	2013 - 2016

M.A. Philosophy of Science and Technology
- **Core Areas:** Theories of Power, Social Computing
- **Graduation Note:** 1.1 (with distinction)

National Technical University of Athens (NTUA), Greece	2007 - 2013

Diploma in Civil Engineering (Equal to M.Sc)
- **Core Area:** Geotechnical Engineering
- **Graduation Note:** 7.17 (Very Good)

Hafencity University Hamburg	03. 2011 - 09. 2011
- **Erasmus Program:** Courses in Civil Engineering and Architecture	

German School of Athens	2000 - 2007
- **Apolytirion:** 18.5 (with distinction), **Abitur:** 2.1	

Additional courses
- Microeconomics, Macroeconomics – University of California, Irvine
- Machine Learning – Stanford University, Wesleyan University

Awards

- **Best Paper Presentation Award, IAW 2019, colocated with the AAAI Spring Symposium (2019).** For the paper: "Estimating the Political Orientation of Twitter Users in Homophilic Networks."

- **Karl Max von Bauernfeind-Medaille (2016)**. As member of Fatum editorial board. Given by the TU Munich for scientific commitment and innovative ideas.

Personal Skills

Languages: German (C2), **Englisch** (C2), **Spanish** (C1), **Greek** (Native Speaker)

Programming: Matlab, R, Python (very good); C++, SQL (Basic knowledge)
Numerical Computing Tools: Mathcad, Maxima, Maple
Office Tools: Microsoft/LibreOffice, LaTeX
Finite Element Analysis Applications: Plaxis 2D, Plaxis 3D
Other: Adobe Photoshop, Citavi, AutoCAD

Interests

Sociological, Economic, Political and Philosophical Books, Basketball, Music, Painting