Georgios Panagopoulos

University of Houston, Houston TX 77204
gpanagopoulos@uh.edu

EDUCATION

University of Houston Department of Computer Science. Houston, TX
Ph.D. Expected Graduation: May 2020 August 2016-
Advisor : Dr. Ioannis Pavlidis

Harokopio University of Athens Athens, Greece
Bachelor in Informatics and Telematics September 2010-July 2014

EXPERIENCE

University of Houston, Computational Physiology Lab Houston, TX

Research Assistant August 2016-Present

- Curation, processing and analysis of experimental data (Time series).
  Uses: R, Python
- Machine learning modeling and statistical inference.

University of Houston, Computational Physiology Lab Houston, TX

Research Intern February-March 2016

Exploratory data analysis of experimental data
Used: R
Code: https://github.com/GiorgosPanagopoulos/Toyota-Experiment-Analysis

NCSR Demokritos Athens, Greece

Research Associate September 2014- July 2016

- Brain Computer Interfaces
  - Designed and run tutorials for university students, in Demokritos Summer School 2015 & 2016
  - Used: Python, Jupyter Notebooks, Emotiv Epoc+, MATLAB, C++
    Code:https://github.com/GiorgosPanagopoulos/Demokritos-BCI-Summer-School-2016
    https://github.com/GiorgosPanagopoulos/Color-Identification-BCI
  - Presented an interactive program to familiarize school children age 9-15 with Brain Computer Interfaces. Overall, 121 schools attended in the span of 7 months, with over 2500 children taking part in it.
  - Presented '*MindPong*', a pong game based on Emotiv Epoc+ brain computer interface in Athens Science Festival 2016.

- User Modeling & Natural Language Processing
  - Implemented computational services as part of a profiling server that retrieves text and derives creativity profiles for its users. It supports three languages.
    Used: Java, Wordnet, Weka, MATLAB, Web Service, MySQL
    Code: https://github.com/CRU-NCSRD/CPS

- Implemented a set of SOAP web services that use natural language processing, unsupervised machine learning and semantic engineering to model the creativity in essays written by children. It supports three languages and facilitate android games that enhance creativity of children. These games are used by children in Ellinogermanikh Agogh school (http://www.ea.gr/ea/index.asp?lag=en)
  Used: Java, Web Services, MySQL, Web Crawling, Facebook & Twitter API
  Code: https://github.com/GiorgosPanagopoulos/C2LearnTools

NCSR Demokritos Athens, Greece

Software Engineering Intern June 2013- September 2013

- Web Crawling, Database Management.
  Used: Delphi, Java, MySQL

JOURNALS

G. Panagopoulos, G. Tsatsaronis, and I. Varlamis. "*Detecting rising stars in dynamic collaborative networks*." **Journal of Informetrics** 11.1 (2017): 198-222. http://www.sciencedirect.com/science/article/pii/S1751157716300645

CONFERENCES

P. Karampiperis, S. Konstantinidis, G. Panagopoulos. "*Cascade Learning Machines: From Deep Representation to Deep Supervised Training*", Knowledge Discovery and Data Mining (**KDD**), Halifax, Nova Scotia, Canada, August 13-17, 2017 [**Submitted**]

P. Karampiperis, A. Koukourikos, G. Panagopoulos, "*From Computational Creativity Metrics to the Principal Components of Human Creativity*", in Proc. of the 9th International Conference on Knowledge, Information and Creativity Support Systems (**KICSS**), Limassol, Cyprus, November 6-8, 2014
http://cru.iit.demokritos.gr/sites/cru.iit.demokritos.gr/files/IC77.pdf

P. Karampiperis, A. Koukourikos, G. Panagopoulos, "*Creative Stories: A Storytelling Game fostering Creativity*", in Proc. of the 11th International Conference on Cognition and Exploratory Learning in Digital Age (**CELDA**), Porto, Portugal, October 25-27, 2014
http://cru.iit.demokritos.gr/sites/cru.iit.demokritos.gr/files/IC75.pdf

WORKSHOPS

G. Panagopoulos, C. Palmer, "*A Specialized Interactive Data Application for EEG Based Sleep Studies*", Assistive Technologies for Decision making in Healthcare (ADH) in conjunction with the 10th International Conference on Pervasive Technologies Related to Assistive Environments (**PETRA**), Rhodes, Greece, June 21-23, 2017.

G. Panagopoulos, P. Karampiperis, A. Koukourikos, S. Konstantinidis, "*Creativity Profiling Server: Modelling the Principal Components of Human Creativity*

over Texts",Workshop on Deep Content Analytics Techniques for Personalized and Intelligent Services (DECAT), in conjunction with the 23rd Conference on User Modelling, Adaptation and Personalization (**UMAP**), Dublin, Ireland, June 19-July 3, 2015
http://cru.iit.demokritos.gr/sites/cru.iit.demokritos.gr/files/IC78.pdf

SERVICES

Journal Reviewer: Scientometrics, Informetrics

AWARDS

- NSF Doctoral Consortium Travel Award, PETRA 2017
- Presidential Fellowship Award, University of Houston, Houston, TX, 2016
- 1st place in Open Public Data Hackathon by *Greek Ministry of Administrative Reform and eGovernance* on A.G.In.A.R.A. Project, Greece, 2014
- 1st place in Green Hackathon by Agro-Know on Stevia Toolkit Project, Greece, 2013

GRADES

GRE: Quantitative: 165, Verbal: 153, Analytical: 3.5

TOEFL: 106/120

RESEARCH PROJECTS

Toyota Safety Research Project 2016-
Toyota Inc. Performance Period: 01/17/2014 – 01/17/2017, Computational Physiology Lab, University of Houston.

BigDataEurope 2015-2016
EC Horizon 2020 Research and Innovation Program, H2020 - ICT 15 - 2014 - 644564, Software & Knowledge Engineering Laboratory (SKEL), Institute of Informatics & Telecommunications (IIT), National Centre for Scientific Research "Demokritos"

C2Learn 2014-2015
Creative Emotional Reasoning Computational Tools Fostering Co-Creativity in Learning Processes, EC Information and Communication Technology Programme, FP7-ICT-2011-8-318480, Software & Knowledge Engineering Laboratory (SKEL), Institute of Informatics & Telecommunications (IIT), National Center for Scientific Research "Demokritos"

LINKS

LinkedIn: https://gr.linkedin.com/in/giorgospanagopoulos
Github: https://github.com/GiorgosPanagopoulos
Kaggle: https://www.kaggle.com/georgepanag

COURSEWORK

Coursera statement of accomplishment in:

- Statistical Inference, Johns Hopkins University, 2016

- Computational Neuroscience, University of Washington, 2015
- Coding the Matrix: Linear Algebra through Computer Science Applications, Brown University, 2015
- Gamification, University of Pennsylvania, 2015
- Networked Life, University of Pennsylvania, 2014
- Machine Learning, Stanford University, 2014
- Social and Economic Networks: Models and Analysis, 2014
- Data Analysis, Johns Hopkins University, 2014
- General Game Playing, Stanford University, 2013
- Web Intelligence and Big Data, Indian Institute of Technology Delhi, 2013
- Social Network Analysis, University of Michigan, 2013
- Introduction to Data Science, University of Washington, 2013

REFERENCES

Ioannis Pavlidis
Professor
University of Houston
ipavlidis@uh.edu

Pythagoras Karampiperis
Research Director
Agro-Know Technologies
pythk@agroknow.com

Iraklis Varlamis
Assistant Professor
Harokopio University of Athens
varlamis@hua.gr