Konstantinos Psychas

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EDUCATION

Columbia University, New York, USA

- Master of Science (M.S.) in Electrical Engineering   Sep 2013 – Feb 2015
  - Cumulative GPA: 3.83 / 4.0

National Technical University of Athens, Athens, Greece

- Ptychion (5 years of studies) in Electrical and Computer Engineering   Sep 2006 – Dec 2011
  - Graduated 9th out of 330
  - Cumulative Grade: 9.26 / 10

SELECTED PUBLICATIONS

- A. A. Lazar, K. Psychas, N. H. Ukani, and Y. Zhou "A Parallel Processing Model of the Drosophila Retina," *Neurokernel Request for Comments, Neurokernel RFC #3* , Aug 2015.
- Konstanteli, K.; Cucinotta, T.; Psychas, K.; Varvarigou, T., "Admission Control for Elastic Cloud Services," in *Cloud Computing (CLOUD), 2012 IEEE 5th International Conference on* , vol., no., pp.41-48, Jun 2012. doi: 10.1109/CLOUD.2012.63

AWARDS & SCHOLARSHIPS

- Edwin Howard Armstrong Fellowship (Columbia University)   2014 – 2017(expected)
- Second Prize in International Mathematical Competition(IMC)   2009
- Bronze Medal IMO 2006   2006

PROJECTS

- Neurokernel   2014–2015
  - Project on fruit fly simulation
  - Performed maintenance tasks and created derivative projects of retina, lamina and an integration of them.
- brain2neo   2016 –
  - Python tool for conversion of documents of a specific XML format to Neo4j graphs.
- Data Science project on Internet Marketing   2016
  - Developed Spark models for prediction of user responce to ad exposure, trained on MediaMath data.
  - Achieved performance comparable with MediaMath models and some ideas were later used by company.

WORK EXPERIENCE

Columbia University, New York, USA

- Teaching Assistant
  - Intro to Computational Neuroscience   Sep 2014, Sep 2015, Sep 2016
  - Random Signals & Noise   Jan 2015
  - Deep learning   Jan 2016

National Technical University of Athens, Athens, Greece

- EXPERIMEDIA Project Research Assistant   Oct 2011 – Jul 2012

LANGUAGES

- Greek: Native language.
- English: Fluent (speaking, reading, writing).
- German: basic (reading).

SKILLS

PROGRAMMING LANGUAGES

- Regular Use: MATLAB, Python
- Past/Occasional Use: R, Javascript, Java, C

OTHER TOOLS

LaTeX, Microsoft Excel scripting, Git, Mercurial

INTERESTS & HOBBIES

Running, Board Games