

DRITAN KODRA

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Thessaloniki, Greece

EXPERIENCE

Postdoctoral Researcher – Bioinformatician

Aristotle University of Thessaloniki – Department of Chemistry

Nov 2019– Ongoing

Thessaloniki, Greece

- Development of tools for meta-analysis of metabolite identification data published on a variety of academic journals.
- Development of databases of chemical compounds in Greek foods from published data utilizing web scraping tools such as Selenium and BeautifulSoup.
- Development and deployment of dash web applications with Plotly Dash and Heroku.
- Development of Machine Learning models for Retention Time predictions of metabolites with Python.

Senior Data Analyst – Project Manager

To The point

September 2018 – Ongoing

Thessaloniki, Greece

- Design, implementation and supervision of Market Research and Public Opinion Surveys.
- Data analysis on Market Research and Public Opinion Surveys utilizing various statistical tools.
- Development of in-house tools of automation for data analysis and data representation with Python.

Research Assistant

University of Pittsburgh

June 2014 – April 2018

Pittsburgh, PA, USA

- Data cleaning and homogenization of inhomogeneous datasets from different sources.
- Data simulation for study of biases and systematic errors on astronomical data.
- Design and implementation of statistical models for error reduction of astronomical data from galaxy surveys.

EDUCATION

Ph.D. & M.Sc. in Physics & Astronomy

University of Pittsburgh

2012 – 2018

Pittsburgh, PA, USA

- GPA 3.644 / 4.0
- Thesis: The Galaxy Morphology–Density Relation at High Redshift with CANDELS

M.Sc. in Computational Physics

Aristotle University of Thessaloniki

2010 – 2012

Thessaloniki

- GPA 9.00 / 10.00
- Thesis: Cosmological Perturbations with non-ideal fluids

B.Sc. in Physics

Aristotle University of Thessaloniki

2000 – 2010

Thessaloniki

- GPA 7.88 / 10.00

SKILLS

Python Pandas Numpy
Scipy Astropy Matplotlib
Selenium BeautifulSoup
Seaborn Scikit-learn
Tensorflow Dash Heroku
Git MySQL Mathematica
Matlab MS Office SPSS
Fortran

LANGUAGES

Greek ●●●●●

English ●●●●●