

Paris Varytis (Ph.D.)

Career transition into: *Data Science, Data Analysis, Quantitative Analysis*

Age: 32 · Nationality: Greek



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PROFILE

A results-oriented researcher (10 publications in top-tier journals) in the transition to Data Science. A flair for computational analysis combined with an analytical mind, teamwork spirit and project management mentality. Solid skills in statistics, analytics, algorithm, models and computer science. Research, system design and building capabilities that may be transferred to Machine Learning. Ability to carry a project all the way through, from the idea conceptualization to design and then to important applications. Currently being trained in deep learning among other technical training. Open to new learning and industry challenges.

SKILLS

Project Management	Root Cause Analysis	Facilitate Group Discussions
Time Management	Problem Solving	Motivate Team to Reach Goals
Organized & Methodical	Testing Potential Solutions	Transmit Complex Concepts
Problem Identification	Implementing Solutions	Research Information Management

"Mr. Varytis has worked highly independently within a very demanding field...and has displayed a significant breadth and depth of knowledge and skills. This combination has allowed him to derive very exciting results...."

Prof. Dr. Kurt Busch (Ph.D. Project Supervisor)

EXPERIENCE

Data science skills development · MOOC courses (Udemy)

Berlin, Germany

11/2019 – present

Personal projects include:

- Audiobook Company sales data and customer satisfaction data analysis and deep learning to identify repetitive sales possibility to align the marketing strategy on the most possible customers.
- Machine Learning in Photonics (modeling of complex magnetoplasmonic systems with Deep Neural Networks).

Max Born Institute · Humboldt University

Berlin, Germany

03/2016 – 10/2019

Research Associate (Ph.D. Cand. Position, fixed-term contract)

Report to: Laboratory Head & Research Fund Manager / Project Director

Overview: Held accountable for the theoretical development, predictions, guidance design and execution of a pioneering experiment in the field of physics. Combined advanced theoretical considerations, full simulations, and specific applications to face challenging problems in the significant field.

- Conceptualization of the projects.
- Development of analytical methods.
- Implementation of numerical methods.
- Comprehensive studies of the potential applications.

"Mr. Varytis belongs to a rare class of researchers that can carry out a project all the way through...a broad arsenal of theoretical and computational approaches...ability to apply the developed theory to elucidating technological problems...."

Ph.D. Thesis
Reviewer

- Preparation of findings, updated databases, and analysis summaries to pass on to the Director according to project deadlines.
- Formation of research summaries in multiple formats, including spreadsheets, PowerPoint presentations, graphs and standards.
- Presentation of findings in international scientific conferences.
- Production of 6 scientific articles published in high-impact journals.

Research Funding Achievement: The Institute Project received a 2nd phase grant due to high-quality results production together with on-time completion.

Humboldt University • International Master Program

10/2016 – 02/2017 & 10/2017 – 02/2018

Tutor (Ph.D. Cand. Position, fixed-term contract)

Course: “Discrete Quantum Optics”

- Positive evaluation from the students with regards to the ability to explain complex ideas clearly, dedicate time for every student to understand everything, and provide clear instructions as quoted by students in the formal evaluation sheets.

Berlin, Germany

“Clear logic and organization of the solutions...You explained everything very well and made clear instructions....”

M.Sc. Students' Review

Earlier Career Path / Work during Studies

Research Associate: National & Kapodistrian University of Athens • Athens, Greece

10/2015 – 06/2016

Physics Tutor: Cram School “Perikentron” • Athens, Greece

10/2014 – 06/2016

EDUCATION

Ph.D. in Theoretical Physics

2016 - 2019

Humboldt University of Berlin

Berlin, Germany

Thesis: “Tailored Disordered and Anisotropic Scattering in Photonic Nanostructures”

Postgraduate Degree of Specialization in Materials Physics

awarded: 2015

National & Kapodistrian University of Athens

Athens, Greece

Degree in Physics

awarded: 2012

National & Kapodistrian University of Athens

Athens, Greece

CERTIFICATIONS & SPECIAL TRAINING

The Data Science Course 2020 *MIT via Udemy*

10/01/2020

Deep Learning: Hands-On Artificial Deep Neural Networks *MIT via Udemy*

15/03/2020

The Complete SQL Bootcamp *MIT via Udemy*

20/02/2020

Tableau 10: Hands-On Tableau Training For Data Science *MIT via Udemy*

10/02/2020

ADDITIONAL INFORMATION

Languages

Greek: Fluent (native) • English: Fluent • German: A2-B1 level (*in progress*)

Programming Languages

• Python (• Pandas • NumPy • Matplotlib • TensorFlow 2.0 • Seaborn) • Fortran
• MATLAB • C++

Databases

• PostgreSQL

Data Visualization

• Tableau • Origin

Publications

10 publications in high impact scientific journals

Interests

Sports (CrossFit, Basketball), Music