

# CURRICULUM VITAE

## GEORGIOS SMYRIDIS

### PERSONAL DETAILS:

**Date of Birth:** 09/07/1997  
**Place of Birth:** Serres, Greece  
**Marital Status:** Single  
**Residence:** Skoutari, Serres 62100, Greece  
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**Nationality:** Greek

### ACADEMIC RECORD

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#### UNDERGRADUATE EDUCATION

**09/2015 – 09/2020:** Aristotle University of Thessaloniki, Greece  
Faculty of Sciences, School of Physics  
Bachelor Degree (Ptychio) in Physics (240 ECTS)  
Degree Grade: 8.95 out of 10 “Excellent” (Award date: 19/11/2020)

**Dissertation:** “Non-Locality and quantum mechanics” – Grade: 10 out of 10

#### UPPER SECONDARY EDUCATION

**09/2012 – 06/2015:** General Lyceum of Skoutari, Serres, Greece  
**Specialty:** Stream: Technology Informatics and Services  
Apolytirio Grade: 18 out of 20 “Very Good” (Award date: 23/06/2015)

#### SUMMER SCHOOL

**26/08 – 30/08/2019:** Utrecht University Summer School, the Netherlands  
**Topic:** Theoretical Physics  
**Modules:** General Relativity  
Path Integrals  
Berry Phases  
Liquid Crystals  
AdS/CFT correspondence

#### SUMMER SCHOOL

**28/06 – 16/07/2021:** Wolfram Summer School  
**Track:** Fundamental Physics  
**Project:** “Bloch Sphere and Gate Complexity”

#### LANGUAGES

• **Greek:** Native  
• **English:** IELTS to be taken in 01/2021  
The University of Michigan ECPE (05/2014)

• **German:** Goethe – Zertifikat B1 (30/05/2010)

### **COMPUTER SKILLS**

• **MS Office:** Expert user  
• **Programming:** Mathematica, Python, Pandas, uproot & ROOT, Latex, C+

### **ONLINE COURSES - TRAINING COURSES**

**Qualification:** IBM'S Python Data Science Professional Certificate (09/2020 – 12/2020)

**Topics:** Python Basics for Data Science  
Analysing Data with Python  
Visualising Data with Python  
Machine Learning with Python: A practical Introduction  
Data Science and Machine Learning Capstone Project

**Provider:** Udemy online courses

**Topics:** "Complete Python Bootcamp: Go from zero to hero in Python" (02/12/2019)  
"Beginning C++ Programming – From Beginner to Beyond" (15/09/2020)  
"Quantum Computing: Theory to Simulation and Programming" (12/03/2019)

### **CONFERENCES / WORKSHOPS**

**19/12/2019:** 2<sup>nd</sup> Thessaloniki Christmas Student Workshop, Thessaloniki, Greece

**Topic:** "Theoretical Physics"

**18/03/2019:** Hellenic Physicists Association, Thessaloniki, Greece

**Topic:** "Physics meets society: Discoveries, achievements, perspectives for the Physics of the 21<sup>st</sup> century"

**30/11/2017:** Aristotle University of Thessaloniki, Section of Astrophysics, Astronomy & Mechanics, DAAD Winter School, Thessaloniki, Greece

**Topics:** "An Overview of Neutron Stars, High-density Equations of State, Nuclear Astrophysics, Exotic Compact Objects, Neutron Star Structure, Black Hole Astrophysics, Binary Neutron Star Mergers"

## **CAREER RECORD**

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**06/2020 – Present:** Aristotle University of Thessaloniki, Electroweak Team for ATLAS Experiment CERN, Greece

**Position:** Research Assistant (Part Time)

**Project:** Analysis of experimental data from ATLAS experiment

**Tasks:** I analysed data for  $W\pm Z$  Boson production from proton-proton collisions at centre-of-mass energies 13TeV with the ATLAS Detector in CERN. I created Monte Carlo simulations for the Standard Model and various Effective Field Theories with MadGraph. I compared the experimental data with the simulation employing statistical methods in the HistFitter framework.

**09/2017 – Present:** Self-employed private tutor (Part Time)

**Teaching material:** Physics and Mathematics to High School and Lyceum students

## **ADDITIONAL INFORMATION**

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### **MEMBERSHIPS**

Co-founder of "Wild rose" a youth association for international youth exchange in Greece (ERASMUS+)

Member of Physicists of Aristotle University of Thessaloniki (PATH)

## **INTERESTS**

Blogging

Playing basketball

Playing the guitar