

PANTELIS FILIS

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3D Art Portfolio: <https://www.artstation.com/pantelis31>

EDUCATION

National Technical University of Athens

2013-2019

School of Applied Mathematical and Physical Sciences

Integrated Master of Science (5-year diploma) in Applied Physics

Major in Theoretical and Computational Physics

Minor in Nuclear and Particle Physics

WORKING EXPERIENCE

Olympic Engineering LTD/ Hydrotab

December 2020 - now

3D Generalist/Graphic Designer: 3D animation, 3D modeling, video production, graphic design, motion graphics, product advertisement.

Software Engineer: Creation of software for use in integrated systems using the Qt library (data display, machine control, GUI design and interaction, internationalization).

'Noima' tutoring center

February 2019 - September 2019

Physics/Math tutor: Teaching and tutoring students in middle and high school level math and physics.

PROJECTS AND RESEARCH EXPERIENCE

Hairy Black Holes in Disformal Scalar-Tensor Gravity Theories

April 2021

Paper published in General Relativity and Quantum Cosmology (Phys. Rev. D 104, 024031 (2021)).

Master Thesis

January 2019 - November 2019

Spherically Symmetric Solution in bi-metric theories of Gravity.

Identifying Forbush Decreases in SOHO/EPHIN Data

April - May 2018

Internship at the National Observatory of Athens - Institute of Astronomy, Astrophysics, Space Applications and Tele-monitoring; identification of forbush Decreases in data from the EPHIN spacecraft and comparison with data from the SOHO observatory.

TECHNICAL SKILLS

Programming

Extensive knowledge of QML, JAVASCRIPT
Knowledge in C++, FORTRAN77, PYTHON, IDL

Software

Qt Suite, MATHEMATICA, MATLAB, ORIGIN, Wxmaxima, L^AT_EX, ARDUINO

3D Software

Excellent knowledge of BLENDER 3D, KEYSHOT, AUTODESK 3DS MAX
ADOBE CREATIVE SUIT (Premiere, After Effects, Photoshop, Illustrator, InDesign.), DAVINCI RESOLVE

Good Knowledge in Houdini, Autodesk Maya

Languages Greek (mother tongue)
English - ECPE from the University of Michigan and University of Cambridge
German - Basic skills in reading, writing and understanding the German language.

CONFERENCES & WORKSHOPS

Gravitational Waves, BBH & Neutron Star Merger *July 2018*
Lecture by Dr. George Smoot
Evgenides Foundation

Laser remote sensing from the millimeter to the kilometer range *December 2019*
Lecture by Dr. Sune Svanberg
NTUA's Physics Department

Testing Superstring Theory with Cosmological Observations? *March 2017*
Lecture by Dr. Robert H. Brandenberger
NTUA's Physics Department

EXTRA-CURRICULAR

Summer School Scholarship at Hellenic - American College *2012*
Attended classes on Programming and Filmmaking

12th annual UNESCO school symposium *2011*
Participation with the school team and production of the Video entry.

Private Tutor *2019-present*
Professional Experience in tutoring Math and Physics to middle and high-school students (Cram Schools, Private tutoring)

Completed mandatory military services *2020*
January 2020 - October 2020