

# STEFANOPOULOS DIMITRIS

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## OBJECTIVE

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- I am looking for a position to gain experience, expand my knowledge, and evolve professionally in Quantum Information Science, Quantum Computing and Algorithm Development and Quantum Machine learning.
- I am working with Python for the past 3 years mainly for quantum applications, symbolic programming, machine learning and stochastic applications.

## EXPERIENCE

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### Freelancer

March 2021 - Present

[Upwork Profile](#)

*Remote from Greece*

- Mathematician for transportation-related carbon calculator. I used Excel in order to find a formula and calculate the token's impact in comparison to the user's carbon footprint.
- Quantum encryption industry analysis. Working with Tom Darden (CEO of Cherokee) on simplified explanations of quantum industry concepts.

### Intern Developer

Jun 2021 - March 2022

[Mavromatica Creative Studio](#)

*Thessaloniki, Greece*

- Solving mathematical problems to simplify code.
- Working on private projects regarding front-end web development ([Synth App](#)).

### Physics-Math Tutoring

March 2019 - Present

[Self-Employed](#)

*Greece*

- Online Teaching: Linear Algebra, Calculus I and II, Quantum Mechanics I.

### Management

Jun 2011 - February 2018

[Bowling City Club](#)

*Veria, Greece*

- Event planning, staff management, technician.

## PROJECTS

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**Physical Examples of Quantum Entropies: Properties, Calculations and Programmability** : I studied various quantum entropies and the programming techniques needed for their automated calculation ([pdf](#)).

**SymQInfopy package** : Package for symbolic calculations in Quantum Information Theory built on top of sympy ([github](#)).

## EDUCATION

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**Graduate Studies in SubAtomic Physics and Technological Applications(Msc),**

Aristotle University of Thessaloniki ([Transcript](#))

2019 - 2021

**Undergraduate Ptychion in Physics,** Aristotle University of Thessaloniki ([Transcript](#))

2014 - 2017

**Quantum physics frontiers explored with cold atoms, molecules and photons,**

Onassis Foundation, Full Scholarship ([Certificate](#))

Summer 2017

**Undergraduate Ptychion in Mathematics,** Aristotle University of Thessaloniki

2020 - Present

## MOOC's:

- From Linear Models to Deep Learning
- Introduction to Computational Thinking and Data Science
- Introduction to Computer Science and Programming Using Python
- Quantum cryptography
- Quantum Machine Learning

## SKILLS

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<b>PL's</b>	Python(numpy, matplotlib, pandas, qiskit, qutip), C/C++, Julia
<b>OS</b>	Windows, WSL2
<b>Software</b>	Mathematica, Latex
<b>Soft Skills</b>	Analytical thinking and Problem Solving, Creative Brainstorming, Organization skills
<b>Languages</b>	Greek(Mothertongue), English(Professionally)