Constantinos Atzarakis

Structural Engineer
PhD student

🌐 Athens

 github.com/constatza

 linkedin.com/in/consthashatza
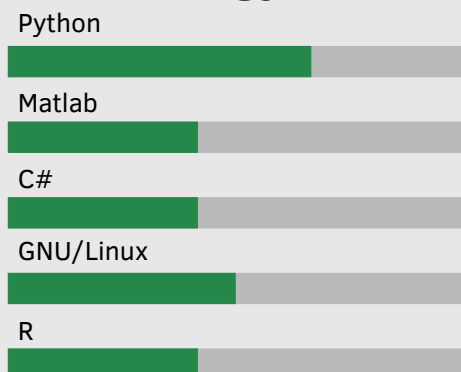
@ academic.m2kab@aleeas.com

About me

Academically interested in Computational Mechanics, Machine Learning and Quantum Computing, he is a STEM enthusiast who embraces the Open Source movement and enjoys using Linux as a daily driver. He loves to spend his free time walking in nature, reading about history or practising music.

Skills

Structural Engineering

Machine Learning

Quantum Computing

Data Science

Cloud Computing

Big Data

Technology

Python

Matlab

C#

GNU/Linux

R
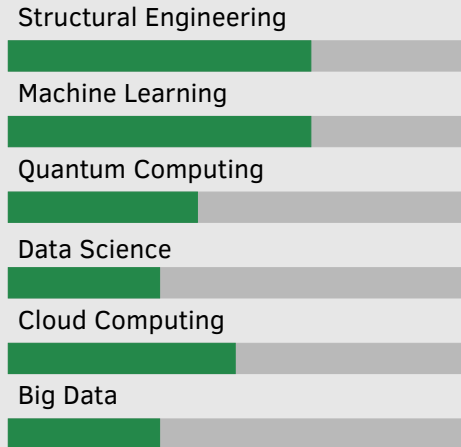
Education

2021-2022	**PhD student**	Athens

National Technical University of Athens
School of Civil Engineering
Conducting research on modern methods for High Performance Computing with focus on Quantum Computing.

2020-2022	**MSc - Data Science & Machine Learning**	Athens

National Technical University of Athens
School of Electrical & Computer Engineering
Currently writing master thesis.

2014-2019	**MEng - Structural Engineering**	Athens

National Technical University of Athens
School of Civil Engineering, Grade: 8.72/10
Bachelor in Civil engineering and integrated master in Structural engineering with focus on computational mechanics. Awarded "Evangelos Apergis" scholarship. Graduate thesis titled *"Acceleration of Monte Carlo simulation on dynamic system with use of dimensionality reduction techniques"*.

Experience

2020	**Greek Presidential Guard**	Military Service

Completed the mandatory military service.

2019	**Hellenic Civil Aviation Authority**	Internship

Employed for two months as a junior engineer at the office of Architectural and Structural Planning of the Engineering department. Worked on the strength evaluation and modeling of established airport infrastructures and blueprint validation.

Academic interests

- Quantum computing
- Computational Mechanics
- Machine Learning

Languages

2013	**German - B2**	Goethe Institut
2012	**English - C2**	University of Cambridge
	Greek	Native

Publications

Ongoing: Atzarakis C, Papadopoulos V, Quantum Monte-Carlo integration for uncertainty quantification in structural problems: An early attempt, *The 8th European Congress on Computational Methods in Applied Sciences and Engineering*, ECCOMAS Congress 2022