



ALEXIOS PASCHOU

Mechanical Engineer | MS in Computational Mechanics

About me: Mechanical Engineering and Computational Mechanics graduate. My interest lies in Finite Element Method and Numerical Methods in Computational Mechanics. Currently working at NComp as a Software Developer, my main task is the development of an application for RVE generation, which is used for simulating and studying composite materials in multiple scales.

INFORMATION

Date of Birth:
08/08/1995

Phone number:
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alexiospaschou@gmail.com

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EXPERIENCE



July 2022 - present
Software Developer at NComp, Athens, Greece
The company's activity lies on matters of engineering, design and simulation.
Development of application for RVE generation.

September 2019 - July 2020
3D CAD Designer at CCI S.A. Engineering+Design, Thessaloniki, Greece
The company specialises in BIM.
Learning of Microstation/TRICAD design software.

EDUCATION



September 2020 - February 2022
Master of Science in Computational Mechanics, National Technical University of Athens
Specialisation: Computational mechanics of Solids
Grade: 8.39
Master thesis: "Development of GUI application for the simulation of materials at multiple scales"

September 2013 - April 2019
Integrated Master in Mechanical Engineering, Aristotle University of Thessaloniki
Department: Design and Structures
Field of specialisation: Technology of Materials
Grade: 7.53
Diploma thesis: "Thermomechanical and corrosion fatigue characterisation of NiTiHf high temperature shape memory alloy"

2007-2013
High School Diploma, German School of Thessaloniki
Greek and German High School Diploma

LANGUAGES



English
[-IELTS Total Score 7.5
December 2018
-Cambridge FCE Score B
December 2010]

German
[German Abitur Score 1.9
April 2013]

SKILLS



C# programming language (4/5) Tricad MS (4/5) Autodesk Inventor (4/5) Solidworks (4/5)
Matlab (4/5) AutoCAD (4/5) Ansys Workbench Static Structural (4/5)

- Finite Element Method
- Computational techniques and solution algorithms
- Structural optimisation
- Computer-aided design
- Technical drawing
- Mechanical and corrosion fatigue life study
- Failure mechanisms
- Mechanics of materials