ALEXIOS PASCHOU

Profile

About me: Mechanical Engineering and Computational Mechanics graduate. My main interest lies in Finite Element Analysis and Numerical Methods. I am also fascinated by Programming and I aim at developing my skills as a Software Developer.

Experience

Software Developer
NComp, Athens, Greece | Jan 2024 - Present
Research and development for thermomechanical and electromechanical problems
Experimentation with and training of neural network models for creating digital twins

Private
Greek Army | Jan 2023 - Oct 2023
Completed compulsory military service at Armored Division.
Served as assistant in the camp's Conscription Office.
Honorary promotion to Lance Corporal due to excellent service.

Software Developer
NComp, Athens, Greece | Apr 2022 - Dec 2022
The company's activity lies on matters of engineering, design and simulation.
My main task included the development and maintenance of a FEA software developed in C#.
Worked primarily on Multiscale Analysis.
Developed and implemented an RVE generator.

3D CAD Designer
CCI S.A. Engineering+Design, Thessaloniki, Greece | Sep 2019 - Jul 2020
The company specializes in BIM.
Learning of Microstation/TRICAD software.

Education

Master of Science in Computational Mechanics
National Technical University of Athens, Athens, Greece | Sep 2020 - Feb 2022
Specialization: Computational mechanics of solids
Grade:8.39/10
Master thesis: "Development of GUI application for the simulation of materials at multiple scales"

Integrated Master in Mechanical Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece | Sep 2013 - Apr 2019
Department: Design and Structures
Field of specialization: Technology of Materials
Grade:7.53/10
Master thesis: Thermomechanical and corrosion fatigue characterisation of NiTiHf high temperature shape memory alloy"

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

Contact

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in
linkedin.com/in/alexios-paschou-10a300185

Languages

Greek
English
German

Skills

Computational Mechanics
Finite Element Analysis
Computational Techniques and Solution Algorithms
Structural Optimization

Programming
C# Programming language
MATLAB
C++ Programming language
GitHub

Software
Ansys Workbench Static Structural
Autodesk Inventor
Solidworks
GMSH