

Georgios MICHALIS

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About Me

Mechanical Engineer with a wide range of knowledge.

Education and training

Title of qualification B.Eng in Mechanical Engineering
Principal subjects Mechanical Engineering basic subjects. Mechatronics and robotics
Engineering and engineering trades
Name and type of organization University of Crete (GR), School of Applied Technology,
Mechanical Engineering Dept.
Level in national classification Higher Education / University B.Sc

Work Experience

Company title Recursive Engineering LTD

Dates Jan 2017 - Present

Main activities and responsibilities Owner. Engineering studies on various fields.

Company title Revmotiv Technology Company

Dates Jan 2017 - Jan 2019 : Systems Engineer

Main activities and responsibilities Design of electric motors and motor controllers. Team
Leader on programming projects

Company title Xinen Technologies

Dates May 2016 - Dec 2016 : CAD design. Simulations, Drafting

Main activities and responsibilities Design and simulation of battery pack modules for use
in electric vehicles

Company title Rotary Wing Engine

Dates Mar 2014 - Mar 2016 : Engineer, Animator, Designer

Feb 2019 - Present: Consulting

Main activities and responsibilities CAD Design of power transmission systems including CAD modeling of an all mechanical
continuous variable transmission and an electro-mechanical continuous variable transmission.
CAD Design and modeling of Metal Additive Manufacturing System (3D Printing)

Company title Jotis Ltd

Dates Oct 2013 - Mar 2014: Engineer / Cad Specialist

Main activities and responsibilities Mapping the factory in a 3D program (Production lines, individual machines and piping
network with accurate dimensions)

Work Experience Cont.

Company title	Alpha Acoustic Ltd
Dates	Feb 2008 - Oct 2012: Sound consultant and product designer. Mar 2019 - Present: Consulting
Main activities and responsibilities	Design and implementation of antivibration products. Noise insulation studies

Skills

General Computer knowledge	<ul style="list-style-type: none">• Excellent knowledge of computer architecture. Ability to troubleshoot most software or hardware problems.• Excessive knowledge of Windows systems (any version), ability to do any kind of installation or modification needed.• Basic knowledge of Linux systems• Touch typing. English ~90wpg, Greek ~60wpm• Virtual machines.
Office Applications	<ul style="list-style-type: none">• Microsoft office suite (word, excel, power point, outlook and publisher, but not access). Expert knowledge plus the ability to create complex excel applications.• Libre Office, Intermediate knowledge.
Programming	<ul style="list-style-type: none">• C, .VBA, Autoit Scripting. C#, Python. Java.• Experience using git source management.
Engineering CAD Applications	AutoCad, NanoCad, Pro/Engineer, Solidworks, Rhino 3D, Fusion 360, Siemens Solid Edge, Siemens NX10, Freecad, Geomagic Design.
Computer Aided Engineering	Solidworks flow Simulation, Solidworks FEA, Converge CFD, Simuling, Matlab, Octave, Motorsolve, Kisssoft.
Typography	Affinity Publisher, Indesign
Graphic Design	Adobe Photoshop, Illustrator, Inkscape, Affinity Photo, Affinity Design, Topaz Gigapixel, Solidworks Composer.
VFX, Animation & Video Editing	Maxon Cinema 4d, Realflow, X-particles, Luxion Keyshot, Blender3D, Adobe after Effects, Adobe Premiere, Davinicy Resolve, SolveigMM Video Editor
3D printing	<ul style="list-style-type: none">• Slic3r, Meshmixer,• Ability to design for 3d printing, Experience with FDM printers Prusa Mk3, and Creality Ender 3.• Experience designing for DMLS printers.
Electronics	<ul style="list-style-type: none">• Microchip dsPIC30 Family microcontroller.• Mplab IDE for microchip processors.• Arduino Uno & Mega, Raspberry Pi.• Circuit design, Proteus Design Suite, Soldering.
Specialized Skills	<ul style="list-style-type: none">• CAN-Bus protocol, J1939. Excessive knowledge of the Can-Bus protocol and specially J1939. Participation as team leader on the development of a J1939 Stack• PMSM motor design and Simulation• Variable Frequency Drive motor controller, for PMSM motors. Technical Manager on a project• Excessive knowledge of GT&D for drafting according to ASME Y14.5-2009• Ability to Design CNC-LaserCutter systems.• Control theory knowledge and ability to conceptualize and implement basic PID controllers• Experience working with Chinese engineers.
Other Skills	<ul style="list-style-type: none">• Android Development, Web Development.• Driving Licence
Languages	<ul style="list-style-type: none">• Greek: Native Speaker• English: C1 Advanced Level.