

# Curriculum vitae

## 1. Personal information

### Gogoneata Sorina

Address [REDACTED] Romania  
Mobile Phone [REDACTED]  
E-mail address [REDACTED]  
Nationality Romanian  
Marital status [REDACTED]

## 2. Professional experience

Time period	September 2022 - present
Position	<b>Research PhD Engineer</b>
Main activities and responsibilities	Internship in the Laboratory for Micro- and Nano-Fluidics. Design and manufacturing of devices based on wearable electrochemical biosensors for applications in clinical diagnostics and regenerative medicine. Manufacturing of biosensors by 3D printing using Allevi 3D bioprinter. Preparation of GCode files. Data acquisition and interpretation. Writing a scientific report based on experimental results.
Name and address of employer	<b>Institute of Microtechnologies, Bucharest</b>
Domain of activity	Research and Development in Microtechnologies
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Time period	September 2011 - January 2019
Position	<b>CAD Design Engineer</b>
Main activities and responsibilities	Designing, modeling and assembling complex parts using SolidWorks. Responsible for converting 2D into 3D & reverse engineering work. Preparation of Layout, General arrangement drawings, Component drawings and bill of material. Involved in following project (Off-Shore): Auto Piloted Aircraft Modeling and Drafting
Name and address of employer	<b>AvaxDesign, Ploiesti</b>
Domain of activity	Engineering Services
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Time period	April 2007- August 2011
Position	<b>R&amp;D Engineer</b>
Main activities and responsibilities	Catia V5 conceptual design; CAD support; Design of plastic injection molded parts and structural parts for front and rear bumper assembly on RENAULT projects. Cooperation with the project manager on the evaluation and corrections of projects.

Name and address of employer	<b>ABMI Inginerie, Bucharest</b>
Domain of activity	Automotive, Aerospace, Engineering Services
Time period	August 2006 - March 2007
Position	<b>CAD/CAM/CAE Engineer - Senior Designer</b>
Main activities and responsibilities	<p>CAD/CAM/CAE Engineer for aerospace industry in CATIA v5.</p> <p>Deputy Workgroup Leader:</p> <ul style="list-style-type: none"> <li>- Support on technological, methodical and organizational group managing.</li> <li>- Business support by technical solution preparation;</li> <li>- Planning and coordination of project workload</li> <li>- Delegating tasks to workgroup members</li> <li>- Cooperation with Workgroup Leader on project checking and corrections</li> </ul> <ul style="list-style-type: none"> <li>- Preparing data exchange with VPM department</li> <li>- Working with bill of materials and client-specific software: Enovia VPM, Taksy, Zamis, Cadam</li> </ul>
Name and address of employer	<b>S.C. Inter-Informatics S.R.L., Bucharest</b>
Domain of activity	Inter-Informatics focuses on <u>aerospace industry</u> , earning its position as an important subcontractor for AIRBUS GmbH.
Time period	July 2005 - July 2006
Position	<b>CAD/CAM/CAE Engineer - Designer</b>
Main activities and responsibilities	<p>3D modelling of parts and assemblies for aerospace industry. Working with client-specific software (AIRBUS GmbH.): CATIA v5, Cadam, Zamis, Enovia VPM, Taksy.</p> <p>Ensuring proper check and conformity with bill of materials and drawings. Clash analysys and subsequent problem solving .</p> <p>I was involved in projects for primary and secondary structure for A330, A340 airplanes, air-conditioning system, cabin interior design.</p>
Name and address of employer	<b>SC Cybernetics SRL, Prague, Czech Republic</b>
Domain of activity	Aerospace Industry
Time period	March 2005 - July 2005
Position	<b>Mechanical Engineer</b>
Main activities and responsibilities	<p>Metallic Structures Design: Design of GSM equipments and sites. Preparing of technical documentation for construction approval: implementation drawings, bill of materials calculation.</p>
Name and address of employer	<b>SC TelWave S.R.L., Bucharest</b>
Domain of activity	Constructions, GSM Engineering
Time period	May 2003 - December 2004
Position	<b>CAD Designer</b>

Main activities and responsibilities	Rasterizing building drawings in Autocad. Computer design of the architectural drawings. Elaboration of the technical documentation for the projects.
Name and address of employer	<b>CADVeGra SRL, Bucharest, Romania</b>
Domain of activity	CAD Design, GIS, Architecture

### 3. Education

Time period	<b>September 2019 - present</b>
Diploma	<i>Ph.D. in Electrical Engineering</i>
Institution	<b>"Politehnica" University of Bucharest, Medical Engineering Faculty</b>
Time period	<b>October 2018 - August 2020</b>
Diploma	<i>Master of Science in Medical Engineering</i>
Institution	<b>"Politehnica" University of Bucharest, Medical Engineering Faculty</b>
Time period	<b>- 2007 -</b>
Diploma	<i>Formation Course in Plastic Parts Design for Automotive Industry</i>
Institution	ABMI, Lyon - France
Time period	<b>April 2005</b>
Diploma	<i>CATIA V5 Course</i>
Qualifications	3D design in CATIA V5; Part design, Wireframe and Surfaces, Sheet Metal Design, Assembly Design
Institution	Cybernetics - IBM Educational Partner, Bucuresti
Time period	<b>October 1998 - July 2003</b>
Diploma	<i>Aerospace Engineer</i>
Qualifications	Avionics
Institution	<b>"Politehnica" University of Bucharest, Aerospace Engineering Faculty</b>
Time period	<b>- 2002-</b>
Diploma	<i>Courses of Italian Language</i>
Institution	Italian Culture Institute, Bucharest
Time period	<b>- 2001-</b>
Diploma	<i>Certificate of attendance at the BEST Course at Lund Institute of Technology in Project Management</i>
Institution	Lund Institute of Technology, Sweden

### 4. Skills and aptitudes

Foreign languages	English (advanced), Italian (intermediate), French (beginner)
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- Organisational skills
- Ability of quick learning and adaptation to new situations.
  - Organized, methodical and analytical profile.
  - Result oriented, with a keen eye towards perfection in delivering quality service.
  - Dynamic team player.
- Software Skills
- operating systems: Windows 10/11/Ubuntu18.04, LinuxMint, ArchLinux
  - programming: Python, Pascal, Matlab.
  - applications: Microsoft Office, Corel, Adobe, 3DMax, Blender, ZBrush
- Microcontrollers projects using open source integrated development environment for Arduino and RaspberryPi, CodeBlocks.
- Software environment for technical and scientific computing; modeling and solving different kinds of scientific and engineering problems based on partial differential equations using Comsol Multiphysics.
- Software for data processing and graphing software for scientists and engineers: graphic, interpretations, signal analysis using OriginPro.
- 2D and 3D design for complex geometries using platforms as Catia V5, SolidWorks, AutoCAD.
- 3D Modeling - Detailing : Part Design - Surface - Sheet Metal - Assembly - Drafting
- Modeling from sketch to 3D model using SketchupPro with the interconnected tools as 3D Warehouse, Layout, V-Ray
- 3D printing technologies:
- G-code, CrealitySlicer, Cura 3D
- Graphical user interface applications for forms applications, web applications using Visual Studio.
- Driving licence
- B category since september 2000

Date: 18.09.2023

Signature: Eng. Sorina Gogoneață

