

## PERSONAL INFORMATION

## Pal Sergiu Gabriel



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Sex Male | Date of birth 03/10/1993 | Nationality Romanian

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR

**Mechanical Design Engineer/Mechanical Engineer**

## WORK EXPERIENCE

2023-present: Mechanical Design Engineer at Magna Electronics  
(Veoneer Active Safety division was bought by Magna Electronics)

2022-2023: Mechanical Design Engineer at Veoneer

Within the position of Mechanical Design Engineer at Veoneer and Magna Electronics (Vision Division) the main responsibility is to develop camera design and to integrate the technologies required to read different obstacles, road signs and distances to certain objects while complying with environment limitation, mechanical endurance, safety, cleanliness and EMC requirements. Main activities are focused on: Design of mechanical and electro-mechanical components (E.g.: high pressure diecast, Injection molding, 3D printed parts, sheetmetal forming, fixtures and brackets); Technical alignments with customers and different suppliers; Create CAD drawings for designed components; Tolerance calculation; Collision check and prevention; Assistance in assembly lines design; Design cross check and drawing review of mechanical components designed by other engineers; Other duties as assigned.

2018-2022: Mechanical Design Engineer at Continental Automotive Iasi

I was a mechanical design engineer at Continental Automotive Romania for Vehicle Networking and Information department where I worked for several projects on the design of the plastic housings for different ECUs of Body Controllers. I was also a part of the Generic Scalable Platform project where we developed start models and features for all mechanical design engineers in Continental worldwide. Further more I was involved in cost reduction activities for printed circuit boards.

2016-2018: Data processing assistant at GfK Iasi – Coder for DAT France

I was coder for DAT France (Deutsche Automobil Treuhand) since august 2016, which is an German Automotive Company that have different programs and information about all European Automobile Industry.

Internship for 3 weeks in mechanical field, specifically under the guidance of an engineer responsible for maintenance of machine tools, at Delphi Diesel Systems in Iasi.

Internship for 3 weeks at Racemi Car Service Iasi, where I learned many operations used in maintaining and repairing road vehicles and I discovered a good part of equipment that are used in auto services.

EDUCATION AND TRAINING

2019-present: PhD at Faculty of Mechanical Engineering – Study of plastic parts in automotive industry for reduction of defects with technical and design solutions  
Average postgraduate doctoral degree admission: 10,00

2016-2018: Master Studies at Faculty of Mechanical Engineering – Safety and Performance of road traffic  
Average master admission: 10,00

2012-2016: Faculty of Mechanical Engineering – Automotive Engineering  
Average college admission: 9.48

2008-2012: Theoretical High-School "Vasile Alecsandri" Iași - Mathematics and Computer Science  
Average high school admission: 9,6

2004-2008: Theoretical High-School "Vasile Alecsandri" Iași

2000-2004: School Nr. 26 „George Coșbuc” Iași

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	A2	A2	A2

I have very good communication skills in my native language as well as in English. I have acquired these skills due to the language school classes and particular lessons I have attended. As a result of my involvement in student activities and at work where I've had to communicate only in English with my superiors, I have gained social skills by practicing teamwork and involving in different internships.

Organisational / managerial skills

I have experience as technical project leader gained at Magna and Continental for certain research projects where I had to coordinate the project team's technical activities. I have experience as a trainer for new employees, gained at GfK where I've had to teach four colleagues to work with SilverDAT program and after two weeks of training they managed to be full operative for our team.

Computer skills

I have computer skills and can operate with the following programs: Windchill, Microsoft Office, AutoCAD, SolidWorks, LabVIEW, MathCAD, MathLAB, Catia V5 (Skeleton, Part design, Assembly design, Generative shape design, Generative Sheet Metal design, Circuit Board Design, drawings, tolerance calculation and FTA workbench), Cetol, ANSYS, Autodesk Moldflow, Adobe Photoshop. I can also do basic programming on C++ and HTML.

Driving licence

B

ANNEXES (on demand)

- English B2 training organized by Lektor
- Certificate for participation at Design for Six Sigma (Green belt training) 2019 – Training organized by 6σ European Club
- Certificate for participation in Taking Charge Course 2017 – Course organized by EDUROM
- Trip for educational studies from companies such as Dacia Mioveni Arges, Ina Schaeffler Brasov, Brasov Autoliv, Aerostar Bacau, Research Center Titu Renault, Continental Automotive Sibiu, NTN-SNR Sibiu.
- Participation in scientific presentation session 2013 discipline Materials Technology;
- First prize at the Mechanical Olympics, Iasi May 2013;
- Special Prize of the AGIR (General Association of Engineers in Romania) Olympics Mechanics, National Phase, Pitesti June 2013;
- Second prize in scientific circles session of 2015, the Mechatronics section and mechanical vibration – Project of Weighing systems for heavy vehicles;
- Certificate for digital competences received in high-school for creating an website.