GABRIEL MAJ

ELECTRONICS SIMULATIONS AND ANALYSIS ENGINEER/ ELECTRONICS ENGINEER



CONTACT

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SKILLS

- Electronic Circuits
- Embedded Systems
- EMC/EMI
- PCB design
- Technical documentation
- Python
- C language
- Git/SVN
- TeamCenter
- LtSpice/PSpice
- Matlab/Simulink
- WCCA
- MathCad
- Kickad
- Mentor Graphics
- LtSpice
- 3D printing
- Teamwork
- Effective Communication
- Time Management
- Problem Solving

LANGUAGES

- Polish (Fluent)
- English (Communicative)

TRAININGS

- Design For EMC - EMC Solution
- SEP - 30kV

PROFILE

Motivated and detail-oriented Electronics Engineer currently. Passionate about new technologies, with experience in circuit design, simulations, and testing. Enthusiastic about various sports and eager to develop technical and analytical skills.

WORK EXPERIENCE

Bury Sp. Z o. o. 2026 - PRESENT

Electronics Simulations and Analysis Engineer

- Worst Case Circuit Analysis (WCCA) for automotive electronic circuits, based on Mathcad calculations, theoretical analysis, and electrical simulations,
- Electrical simulations using LTspice and PSpice (e.g., power line transient analysis), automating simulations using Python scripts,
- Technical meetings and collaboration with the customer's WCCA expert team
- Introduction to CST Studio Suite, including Power/Signal Integrity analysis and thermal simulations,
- Active participation in peer reviews.

Merit Automotive Electronics System 2024 - 2026

Junior Electronics Engineer

- Designing electronic devices for automotive applications (create design documentation, circuit calculations and simulations, build and test prototypes, EMC troubleshooting) under supervision and according to given instructions and project guidelines.
- On-time execution of assigned tasks in compliance with the quality system.
- Co-operation with local and remote engineering teams.
- Active participation in peer reviews
- Following Electrical Design Process and change management process
- Foreign visits to factories (e.g., Spain).
- Performing the role of hardware project lead

Merit Automotive Electronics Systems 2022 - 2024

Electronics Trainee

- Participation in the design of electronic devices for the automotive industry (schematics, electrical characteristics, circuit simulations, calculations)
- Participation in project reviews, analysis of schematics for electromagnetic compatibility
- Conducting tests and research using modern measuring instruments, reporting problems
- Creating prototypes for project evaluation
- Cooperation with software engineers and mechanical engineers

EDUCATION

Master of Electrical Engineering - part time 2024 - 2026

AGH University of Science and Technology

Bachelor of Automatic Control and Robotics 2020 - 2024

AGH University of Sicence and Technology

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).