



Mateusz Michalak

M.Sc., Eng.
R&D Team Leader
R&D Engineer



Projects' materials

Skills

- R&D Hardware's and Software's Projects and teams managing
- Architecture Design (Capella)
- Electronics Design (KiCad)
- C and C++ programming
- Embedded programming
- STM32, ESP32, Atmega, Arduino
- Matlab and Simulink modeling
- GIT version control
- SMD and THT soldering
- Using an oscilloscope, signals generator, laboratory power supply, digital universal multimeter
- basics of iOS programming (Xcode)
- CAM/CAD design (Inventor, Inventor CAM)
- Documentation preparation for manufacturer
- CAD design for 3D print, printer maintenance
- Operation of milling machines (CNC also) and lathes
- Operation of hand and electrical tools
- Advanced knowledge of the Latex and Asymptote
- Softwares: Adobe Illustrator, Adobe Photoshop, Sony Vegas, Magix Samplitude

About me

I am an R&D Team Leader and Product Owner with a technical background focused on products combining hardware and software.

Working Experience

2023-11 until now	Technical Product Owner	Glorious LLC
2024-07 until now	R&D Consultant	BioCam Sp. z o.o.
2023-10 2024-07	R&D Leader	BioCam Sp. z o.o.
2022-07 2023-09	Hardware Design Leader	BioCam Sp. z o.o.
2021-10 2022-06	Prototypes & Products Leader	A4BEE Sp. z o.o.
2021-01 2021-10	IoT Engineer	A4BEE Sp. z o.o.
2017-05 2020-12	Engineer	WDI Wise Device Europe Sp. z o.o.
2018-08 2021-11	Engineer (freelancing)	Ergodise Sp. z o.o.
2017-08 – 2018-08	Engineer, Project Manager (freelancing)	

Education

2018-02 – 2019-07	Master Studies	Wrocław University of Science and Technology Faculty of Electronics, Control Engineering and Robotics, Robotics Master Theses: Precise BLDC linear motors driver with autocalibration
2014-10 – 2018-02	Bachelor Studies	Wrocław University of Science and Technology Faculty of Electronics, Control Engineering and Robotics, Robotics Bachelor Theses: MiniSumo mobile robot advanced control system

Grants

2019-06 – 2020-06	Best of the Best 4.0!	Ministry of Science and Higher Education „Presentation of innovative constructions created by Student Robotics Interest Group „KoNaR” at international robotic competitions, conferences, and fairs.”, Awarded amount: 299 423,48 zł. <i>Role: grant beneficiary, author of the application, team coordinator.</i>
2018-06 – 2019-06	Best of the Best 3.0!	Ministry of Science and Higher Education „Participation of members of the Student Robotics Interest Group „KoNaR” in international robotics competitions.”, awarded amount: 319 854,45 zł. <i>Role: grant beneficiary, author of the application, team coordinator.</i>
2017-07 – 2018-05	Best of the Best 2.0!	Ministry of Science and Higher Education „Presentation of innovative constructions created by Student Robotics Interest Group „KoNaR” at international robotic competitions, conferences, and fairs.”, awarded amount: 230 400,00 zł, <i>Role: grant beneficiary, author of the application, team coordinator.</i>