



KÖLLŐ MAGOR ÖRS

SOFTWARE ENGINEER

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ABOUT

I am a software engineer mainly focusing on autonomous systems, like autonomous driving and robotics. I'm also experienced in computer vision and embedded engineering. Interested in community projects, volunteering and management activities, having organized them in the last few years.

WORK SUMMARY

Software Engineer Analyst

Accenture Industry X.O | 2021 Aug - present

- Development of autonomously driven vehicles , V2X technologies (Apollo, C++, Python, Cyber RT, CAD 3D)
- Driver Monitoring Systems (C++ Computer Vision, Tensorflow)
- Embedded Capability & Center of Excellence
- Agile Software Development

Research Scholar

Robert Bosch Romania | 2020 Oct - 2021 June

- Hardware Engineering Research Scholar
- Modelling, Simulation of a Segway / Inverted Pendulum (MATLAB Simulink, Python)
- Control & Stabilization (PID, LQR)

Internship Trainee

SC LOGIC SRL | 2017 June - Sept

- Building server based computer networks
- Operation system administrations

ACADEMIC BACKGROUND

Technical University Of Cluj-Napoca

Faculty of Automation and Computer Science

Bachelor of Science | 2018 Sept - 2022 July

- System & Control Engineering
- Software Development, Embedded Technologies
- Research Activities at the Robotics and Nonlinear Control Research group
- GPA: 9.52

Mathias Corvinus Collegium

University Program | 2018 Sept - 2021 May

- Alumni of Junior & Senior Program
- Oriented around Social Sciences (Economics, Management, Marketing, Communication Skills)
- Personal & Soft skill Development

Bolyai Farkas High School

Mathematics and Computer Science

KEY COMPETENCIES

- Software Development and Architecture
- Agile Processes
- Machine Learning & Control Engineering
- Embedded Engineering
- Research and Innovation
- Communication & Team Management

VOLUNTEERING

- Canadian Rákóczi Foundation (Students Without Boundaries, Coordinator)
- Mathias Corvinus Collegium, Robotics Afterschool Teacher
- The Technical Club of Cluj - Napoca (Board Member)
- Méra World Music Festival (Coordinator of volunteers)

PROJECTS

- Mobile robotic manipulator for precision agriculture
- Autonomously driven vehicle (1/10 scale vehicle)
- Home automation system
- Mood evaluation system - Facial Landmark Detection
- Modelling, stabilization and control of a Segway

PERSONAL SKILLS

Language Skills

Mother Tongue: Hungarian

	Listening	Reading	Speaking	Writing
Romanian	C2	C2	C2	C1
English	C1	C1	C1	C1
German	B1	B1	A2	A2

Soft Skills

- Public Speaking (Speaker, Announcer, Reciter)
- Organizational & Management Skills (main organizer of HackMK (2019, 2020, 2021), Erasmus+ Youth Exchanges, Youth Camps etc.)
- Leadership (Transylvanian Coordinator of Canadian Rákóczi Foundation, Team Leader of Youth Groups)
- Teamwork & Self Management
- Strategic Thinking & Time Management

Hard Skills

- Programming Skills (Python, Modern C++, C, MATLAB, Java, C#, .NET)
- Web Development (Flask, Django, ASP.NET, Angular)
- CAD Knowledge (3D Printing)
- Computer Vision & Machine Learning Algorithms
- Embedded Systems (Nucleo, Raspberry Pi, Jetson devices, Arduino, AUTOSAR, CAN)

Conferences

- Mobile robotic manipulator for precision agriculture, XXXI. SzámOkt Konferencia - EMT, 2021
- European Youth Event - EYE 2021, Strasbourg
- The applied logic of social capital - TUDEK, 2016
- Finalist in National & International Math Olimpyads

Competitions

- Bosch Future Mobility Challenge 2020 - IFF - Finalist
- PoliHack 2019 - 3rd Place
- EBEC Romania 2019 - 3rd Place

Courses

- Transylvanian School of Politics - 2020/21
- Ready2Work - Erasmus+ Barcelona, 2021
- Spooky Lifestyle - Erasmus+ Estonia, 2018