Gergely Pósfai
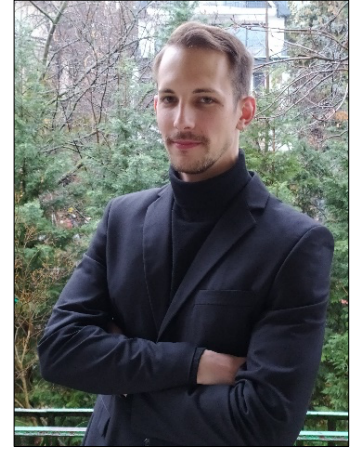
Software Engineer, Biomedical Engineer, PhD student

from Hungary 🇭🇺 🇪🇺

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STUDIES

Óbuda University, John von Neumann Faculty of Informatics, Engineering Information Technology BSc

    Specialty: IoT, Embedded systems and Robotics

    Year of graduation: 2022

Technical University of Budapest, Faculty of Electrical Engineering and Informatics, Biomedical engineer MSc

    Year of graduation: 2025

PhD Student, Óbuda University, Doctoral School of Applied Informatics and Applied Mathematics

    Year of enrolment: 2025

PROFESSIONAL EXPERIENCE

IT Intern – Prezi.com Kft.

    IT equipment maintenance

    2018 Oct – 2019 Jan

Demonstrator – University of Óbuda, NIK, Software Engineering Institute

    Subjects: Databases (SQL), C# programming, Web development (Java EE)

    2019 Jan – 2020 Oct

Software Engineering Intern – Robert Bosch Kft.

    Product line development of service features for radar system

    Skills: C++ (embedded), Python (development tools), MATLAB (measurement analysis)

    2021 July – 2022 Jun

Embedded Software Engineering Intern – Silicon Laboratories Hungary Kft.

    Bluetooth Low Energy SDK development

    Skills: C (embedded), Bluetooth Low Energy, SDK development

    2023 Feb – 2023 Jun

Associate Researcher – Obuda University, Physiological Controls Research Laboratory

Modelling, Simulating and Controlling Physiological Systems

2023 Dec –

PERSONAL SKILLS

Languages: English (C1), Hungarian (native)

Programming languages: C/C++, C#, Java, Python, Julia, (LabVIEW)

Other skills: Git, Bitbucket, Jira, Scrum, MATLAB & Simulink, SQL, MS Office

Driving License: category B

PROFESSIONAL PROJECTS

Temporary surgery scheduling management desktop application [2020 Jun.]

Client: Bajcsy-Zsilinszky Hospital (Budapest), Department of Surgery

Experience: C# (WPF for .NET Framework), specification writing

Cyclist assistant device [2020 Nov.]

Achievement: Univ. of Óbuda 52nd Scientific Students Association conference IT section #2, 1st price

Experience: C (embedded), Python, 3D printing, sensor programming, documentation writing

A Model of the Maldistribution of Ventilation and Perfusion, in the Lungs of Heart Failure Patients [2024 ápr.]

Journal: Acta Polytechnical Hungarica, Volume 21, Issue 9

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