Vladislav Budiak

Software Engineer

Bachelor in Computer Science and Engineering with Honors

+37061765956

vladislav.budiak@gmail.com

LinkedIn

Experience

•WeHeat, Netherlands – Software Engineer   *August 2023 - Present*

Backend Development, Embedded Firmware   Duizel, Netherlands

- **Embedded Firmware (August 2024 - Present)**: Developed and optimized firmware for heat pump systems, focusing on communication protocols (STK500, ProtoBuf, MQTT) using C, C++, Assembly, and ARM-based STM microcontrollers.
- **Backend Development (November 2023 - August 2024)**: Contributed to backend development using C# .NET, MongoDB, PostgreSQL, and Docker, ensuring seamless integration between firmware and software.

•SensUs Student Competition   *August 2022 - March 2024*

Chair / Technology Department Member   Eindhoven University of Technology - Honors program

- **Chair (September 2023 – March 2024)**: Directed the competition's organization, coordinating efforts across multiple teams and departments.
- **Technology Department Member (August 2022 – September 2023)**: Played a key role in developing and implementing the technical infrastructure.

Education

•Bachelor of Science in Computer Science and Engineering   *2021-2024*

Eindhoven University of Technology   Honors Program

•Iacocca Global Village Program   *May 2022 - November 2022*

Lehigh University   Certificate

•Future Leaders Exchange (FLEX) Program   *2019-2020*

U.S. Department of State   Certificate

Farmer's Certificate   *September 2022 - May 2033*

The Chamber of Agriculture of the Republic of Lithuania   Agriculture, Agriculture Operations, and Related Sciences

-5.5mm

Achievements

•3rd Place Lithuanian Olympiad in Informatics   *2018/2019*

•3rd Place Lithuanian Olympiad in Informatics (Age Group)   *2017/2018*

•Represented Lithuania European Junior Olympiad in Informatics   *2017/2018*

Skills

Languages: English, Lithuanian (native), Russian (second native), Ukrainian (professional working)
Soft Skills: Leadership, Problem Solving, Adaptability

Summary

I am a software engineer at Weheat, specializing in backend development with C# and embedded programming in C for heat pumps and control electronics. I graduated with honors in Computer Science and Engineering from Eindhoven University of Technology. I have a solid background in informatics, having secured third place at the Lithuanian Olympiad in Informatics. My experience in entrepreneurship and leadership includes participating in the Iacocca Global Village program at Lehigh University and the Future Leaders Exchange (FLEX) Program, both fully sponsored by the U.S. Department of State. I am fluent in English, Lithuanian, and Russian, and have basic proficiency in Ukrainian. Passionate about designing autonomous systems, I have developed intelligent driving software for vehicles, self-plowing tractors, and quadcopters, integrating hardware and algorithms for navigation and control. My projects utilize video cameras, laser sensors, and microcontrollers to recognize patterns, process data, and automate real-world tasks. Running is the best part of my day, and it's my most important hobby, keeping me focused and energized throughout my work and projects.
More: https://vladislavbudiak.github.io/projects