Mihails Zaslavskis

Canterbury, UK
+44 7887 958628
Email: mihailszaslavskis@gmail.com
Website: https://misha-dig.github.io
GitHub: https://github.com/misha-dig
LinkedIn: www.linkedin.com/in/mihails-zaslavskis-322196267

Personal Statement

Master student of Electronics Engineering by research at the University of Kent.
Seven years of experience with electronics circuits and systems design, sensors, power supply, PCB design and assembly, programming of embedded computers and microcontrollers. Hands-on experience in programming with C/C++, Python, Rust and use of various development tools. Seeking a role of Engineering at a technology intensive. Desired start date - November 2026

Education

University of Kent, MSc Electronic Engineering (by Research)   **October 2025 – October 2026**
University of Kent, BSc Electronic and Computer Engineering   **September 2022 – June 2025**

I completed a Bachelor of Electronic and Computer Engineering at the University with First Class Honours.

- First Year Course: Pass with Distinction (Average: 85%)
- Second Year Course: Pass (Average: 76%)
- Third Year Course: First Class Honours (Average: 73%)

First-Year Project: For the university project, Development and implementation of a greenhouse temperature monitoring system. Through this project, I improved my technical skills in microcontroller programming, designing electronics circuits, and my ability to use correct manufacturing processes.

Second-Year Group Project: Development and implementation affordable dosette box with an automatic dispenser medicine. I gained valuable interpersonal skills such as communication, problem-solving, teamwork, and technical skills.

Third-Year Project: Development of a low-power battery analyser with automated data collection under a limited budget. The project enabled me to acquire skills in project management, electronic circuit design, and PCB layout development. The project was awarded the Wurth Electronics Project Prize for achievements in research and development.

Earlscliffe Sixth Form   **September 2019 – June 2022**
- 4 A-Levels
- 2 CREST Awards: Gold and Silver
- 5 GCSEs

Actively participated to two CREST projects: "Drone Open-Source" and "Tesla Coil Design/Experiment". We have learned a lot during our collaborative work and were very fortunate to be awarded a Gold and Silver awards respectively.

Work Experience

Junior Programmer
Origin Robotics, Riga, Latvia   **September 2025 – November 2025**

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Internship Trainee
Origin Robotics, Riga, Latvia   **June 2025 – September 2025**
Electrical Engineer Internship
22D Tehnoparks, Riga, Latvia   **July 2023 – September 2023**

- Developed an electrical circuit for the Ganību Dambis 22D building complex, total area 10760 m^2.

Software Administrator Internship
KreaKos and D22, Riga, Latvia   **June 2019 – September 2023**

- Designed an automated accounting, billing and invoice generation software suite.
- Performed various IT tasks
- Learning HTML and CSS basics to design the company's website.

Volunteering

Software Administrator Internship

Latvian Children's Hearing Centre, Riga, Latvia   **June 2023 – September 2023**

- Proposed an improvement to the existing system of monitoring and appointment scheduling for hearing centre patients. Implemented a new approach, thereby saving time for the medical personnel and reducing a possibility of erroneous omissions and updates.

Technical Skills or Key Skills

- **Programming**
  - C/C++ – multiple projects encompassing web server, sensors, servo motors functions
  - C# – develop development application for desktop computer OS
  - Python – coded for university's assignment in a system programming module
  - Rust – wrote code for a drone design called PiElectricsEagles
  - Bash – wrote various scripts for Raspberry Pi Pico microcontroller boards
- **IT**
  - Linux - good understanding of architecture, configuration and boot process, hands-on experience with development tools, principles of debugging, etc.
  - Microsoft Office Excel – creating scheduling appointments for hearing centre patients.
- **Electronics**
  - Capturing schematics and developing PCBs subsystems
  - Microcontroller architecture with Arduino, AVR, STM32, RP2040, RP2350
  - Developed electronic enclosure and various mechanical parts with Fusion 360 CAD suite
  - Soldering surface mount device electronics components and QFN package semiconductors
  - VHDL and Verilog developing and modelling digital circuits in the FPGA

Interests

- Member of TinkerSoc Society at the University of Kent.
- I am fascinated with flying machines. Coordinating a team effort for our personal project called Electric Eagles.
- Exploring the world and culture. Travel to different destinations by driving our family car, hiking.