Dániel **Arany**

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Education

Budapest University of Technology and Economics *Budapest*

MSc in Electrical Engineering *February 2022 – Present*

Budapest University of Technology and Economics *Budapest*

BSc in Electrical Engineering *September 2018 – January 2022*

GPA: 4.6

Work Experience

Flex

Engineer, Junior Software *2022 – Present*

- Implementing requested features in a bigger project using C/C++, BASH and yocto recipies.
- Suggesting and implementing a firmware component version reader tool in C.

Flex

Software Developer Trainee *2021 – 2022*

- Assisting the Firmware Team by writing low level software codes and unit tests.
- Implementing bigger features and writing documentation.

Budapest University of Technology and Economics

Demonstrator

- Teaching intro level programming and digital technology classes for first year students, by explaining and presenting solutions to tasks.
- Assisting the instructor in computer labs by helping the students individually.

Budapest University of Technology and Economics

Student Council Representative *2020 – 2021*

- Communicating with students mostly via email and advising them about school policy.
- Representing student interests at various meetings.

Skills

Programming Languages: C/C++, Embedded C, Rust, Python, BASH Scripting, Matlab, Verilog, Robot Framework
Development Enviroments: gcc/g++, Makefiles, CMake, Visual Studio, Eclipse based IDE-s, OpenBMC, Petalinux
Other skills: Git, Linux (usage and development), Yocto Project, PCB Design (KiCAD), JIRA, Confluence

Projects

BSc Thesis *C, Bash, Makefile*

A secondary bootloader for Infineon Aurix microcontroller. Implementing Software Over The Air by receiving the new image via TFTP, loading it into memory and activating it.

Sensor Network with BeagleBone and ESP32 *C++, Python*

A sensor network capable of monitoring temperature lightning and other similar qualities. Using a BeagleBone and an ESP32 connected together as the head of the network, and ESP8266-s with sensors as the nodes. *https://github.com/Goldan32/onlab*