

Teodor Fratiloiu

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Born in 1999 in Bucharest



Education

Oct 2017 – today **Technical University of Munich**
Electrical and Computer Engineering, Bachelor of Science
2013 – 2017 High School: Mihai Viteazul National College, Bucharest

Experience

Current projects **Python Workshop Tutor:** I have put together a tutorial for fellow students from the advisor program; it can be found at <https://github.com/munober/python-tutorial>
Embedded Systems Programming Laboratory: I am currently working on replicating the classic Atari game *Asteroids* on an embedded STM32 (F4) board (with display and joystick), based on a C, FreeRTOS and ugfx backend.

Oct 2018 – Jun 2019 **advisor (tutor) for the advisor program (TUM EI):** I held soft-skills workshops for younger students on topics such as project and time management, group dynamics, teamwork and discussion moderation. I then supported them with developing a robot capable of playing a musical instrument. *(TU Munich)*

Mar – Apr 2019 **Intern for the eCARUS e-Mobility program:** I worked on the development of a decentralized lighting system for an application in the automotive industry. I specifically worked on programming an embedded Atmel board in C and using FreeRTOS. *(TU Munich)*

Nov 2017 – Jun 2018 **advisee in the advisor program (TUM EI):** I built an arduino-based sumo robot in an international team, with me being responsible for the hardware implementation of the sensors (IR, ultra-sound, contrast detection). *(TU Munich)*

2017 – 2019 **Summer camp tutor at Tumba SRL:** I have worked as a tutor in several German-language summer camps, with participating children aged 6-14. *(Brasov, Romania)*

April 2016 **Secretary-General at Model United Nations of Bucharest:** I was the leader of the organizing team of the 2016 edition of my high school's international MUN conference, with over 350 participants, 200 of which from abroad. *(Bucharest)*

2014 – 2018 **Delegate and Chair-Person** at international Model United Nations conferences
I have taken part in 9 MUN conferences, in the positions of delegate, chairman and organizer, where I developed my communication skills, as well as befriended fellow students from over 20 foreign countries while broadening my world view.
(Rome, Budapest, Lübeck, Munich, Bucharest)

Languages

German: Advanced English: Native Romanian: Native

Other Abilities

Good knowledge of C, C++, FreeRTOS, ugfx, Python
Experience with Linux, Git, Photoshop, DaVinci Resolve
EU Driver's license (Category B)

Interests Embedded Systems and Embedded Programming, Digital Design
Hardware and Software Security, Machine Learning, Autonomous Driving