Teodor Fratiloiu

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Mobile phone	+49 (0) 162 855 3201
Born in	1999 in Bucharest

Education

Oct 2017 – today	**Technical University of Munich**
	Electrical Engineering and Information Technology, 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 adveisor program; it can be found at https://github.com/munober/python-tutorial **Embedded Systems Programming Laboratory:** I am currently working on having the classic Atari game Asteroids run on an embedded board with display and joystick, on a C, FreeRTOS and ugfx based backend.
Oct 2018 – Jun 2019	**adveisor (tutor) for the adveisor program (TUM EI):** I held soft-skills workshops for younger students on topics such as project and time management, group dynamics, teamwork and moderation. I then supported them with developing a robot capable of playing a musical instrument. *(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. *(Munich)*
Nov 2017 – Jun 2018	**adveisee in the adveisor 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), *(Munich)*
Aug 2017, Aug 2019	**Summer camp tutor at Tumba SRL:** I have worked as one of the tutors in several German-language summer camps in Romania, taking care of children aged 6-14. *(Brasov, Romania)*
Sep 2015 – May 2016	**Secretary-General at Model United Nations of Bucharest:** I was the leader of the organizing team of the 2016 edition of the international MUN conference taking place in my school, with over 350 participants, 200 from abroad. *(Bucharest)*
Mar 2014 – Nov 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	English	Romanian
C1 (Advanced)	C2 (Proficient)	Native

Other Abilities

Programming	Good knowledge of C, C++, FreeRTOS, ugfx, Python, MATLAB, HTML
Computer skills	Linux, Git, Photoshop, DaVinci Resolve
Others	EU Driver's license (Category B)
Interests	Embedded Systems and Embedded Programming, Digital Design, Hardware and Software Security, Machine Learning, Autonomous Driving