Ştefan-Dan **CIOCÎRLAN**

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PhD Student

🎓 Education

September 2019 **Present**	**University Politehnica of Bucharest, România, Faculty of Automatic Control and Computer Science** > PhD Student; PhD Thesis : Number representation systems in Computer Engineering
March 2019 **September 2019**	**Research intern, National University of Singapore, Singapore** > Internship on Elastic ISA project > Designing a RISC-V processor with a Posit (unum type 3) Unit (PU) to replace the Floating-Point Unit (FPU) > Programming a profiler for artificial intelligence applications on RISC-V processors > **Publication :** Stefan Dan Ciocirlan, Dumitrel Loghin, Lavanya Ramapantulu, Nicolae Ţăpuş and Yong Meng Teo (2020, November). E-PAU : Towards Efficient Machine Learning at the Edge with Elastic Posit Arithmetic Unit and RISC-V. In 2020 ICCAD.
August 2018 **January 2019**	**Erasmus student, ENSTA ParisTech, Paris, France** > Internship on social robotics for the master thesis > Programming the Tiago robot for a realistic *in-the-wild scenario*. > Programming an interface and the Tiago robot for a human-robot collaboration scenario quantifying the human-robot trust. > **Publication :** Agrigoroaie, R., Ciocirlan, S. D., & Tapus, A. (2019). In the Wild HRI Scenario : Influence of Regulatory Focus Theory. Frontiers in Robotics and AI. > **Publication :** Ciocirlan, S. D., Agrigoroaie, R., & Tapus, A. (2019, October). Human-Robot Team : Effects of Communication in Analyzing Trust. In 2019 Ro-Man IEEE.**Best poster award**
September 2017 **September 2019**	**University Politehnica of Bucharest, România, Faculty of Automatic Control and Computer Science** > Graduate Student; Specialization : Network security; Grade : 10/10 (Top 1%) > Master degree > **Publication :** Sporici, D., Chiroiu, M., & Ciocîrlan, D. (2018, November). An Evaluation of OCR Systems Against Adversarial Machine Learning. In International Conference on Security for Information Technology and Communications (pp. 126-141). Springer, Cham.
March 2017 **July 2017**	**Erasmus student, ENSTA ParisTech, Paris, France** > Internship on social robotics for the bachelor thesis. (ENRICHME project) Programming a social app over ROS and an interface for BLE (Bluetooth low energy) devices on ROS. > **Publication :** Agrigoroaie, R., Ciocirlan, S. D., & Tapus, A. (2017, November). News Application Adaptation Based on User Sensory Profile. In International Conference on Social Robotics (pp. 708-717). Springer, Cham.
October 2013 **May 2017**	**University Politehnica of Bucharest, România, Faculty of Automatic Control and Computer Science** > Undergraduate Student; Specialization : Computer Science; Grade :9.3/10 (Top 10%) > Bachelor degree : Human-Robot Interaction in a Social Assistive Context; Grade : 10/10
September 2009 **June 2013**	**"Bogdan Petriceicu Hasdeu" National College, Buzău, România, Mathematics-Informatics class** > High School student. First place in 24 contests (Physics, Informatics, Mathematics) > Top 3 in class

🎓 Awards

💼 Professional Experience

October 2015 — Present

Teaching assistant, University Politehnica of Bucharest, București, România
- Teaching Computer Architecture 1, Computer Architecture 2, Networking 1, Digital signal processing, Networking 2 classes
- Creating materials for students (presentations, labs, exercises)
- 226 students

`networking` `teaching` `digital signal processing` `computer architecture` `matlab` `verilog` `linux`

October 2014 — July 2018

CCNA and C++ instructor, Academia CISCO UPB, București, România
- Teaching a CCNA Routing and Switching
- Creating materials for students (presentations, labs, exercises)
- Teaching a C++ Institute Certified Associate Programmer course

`CCNA` `networking` `CISCO` `IOS` `C++` `Code ::Blocks` `teaching`

June 2016 — September 2016

Assistant Manager, Carrefour, București, România
- Developed an online platform for Carrefour employees which makes their tasks easier
- Wrote multiple scripts which automate some of the employees' tasks
- Learned how a retailer works
- My work significantly increased the productivity of other employees

`Python` `Mysql` `Microsoft Office` `Samba` `Crontab` `Javascript` `angularjs` `HTML/CSS` `bitbucket` `Windows Server 2000` `Ubuntu Server`

June 2015 — September 2015

C++ Software Developer, Bitdefender, București, România
- remade the entire support tool
- worked on the application update

`C++` `Atlassian` `Windows` `VmWare`

🌐 Languages

Romanian   ● ● ● ● ●
English   ● ● ● ● ●
French   ● ● ● ○ ○

🎓 Certifications