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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
- > Programming a profiler for artificial intelligence applications on RISC-V processors
- > Publication: Stefan Dan Ciocirlan, Dumitrel Loghin, Lavanya Ramapantulu, Nicolae Țăpuș 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 Al.
- > 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



- Hard & Soft Suceava (International) Special Prize "Mount Washington" (coach for the team 1 of University Politehnica of Bucharest)
- #sepoate Award (Petrom 10 years of social responsibility category: Education project: Petrom's Olympiads) 2017
- SummerPRO (national start-up competition) First place 2017
- 2017 Cisco Networking Academy Europe, Russian Federation and CIS 2017 NetRiders CCNA Skills Competition Round 3 (International)- 11th Place
- 2017 Cisco Networking Academy Europe, Russian Federation and CIS 2017 NetRiders CCNA Skills Competition Round 2 (Europe)-8th Place
- 2016 Cisco Networking Academy Europe, Russian Federation and CIS 2016 NetRiders CCNA Skills Competition Round 2 (Europe)- 48th Place
- 2016 Hard & Soft Suceava (International) - Third Place
- Innovation Labs (National) Best business 2015
- 2013 National Mathematical Olympiad Gold Medal
- International Mathematical Contest "Arhimede" (Romanian Team) Bronze Medal 2012
- National Mathematical Contest "Evaluation in Education" (National) First Place 2012
- 2012 National Physics Contest "Evaluation in Education" (National) - First Place
- 2012 National Contest in Informatics "Evaluation in Education" (National) - First Place
- 2012 National Mathematical Olympiad - Bronze Medal
- 2011 International Mathematical Contest "Arhimede" (Romanian Team) - Bronze Medal



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 OS 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, Bucureşti, România

- > remade the entire support tool
- > worked on the application update

C++ Atlassian Windows VmWare

🄼 Languages





Certifications

- ECDL European Computer Driving Licence
- ECL English European Consortium for the Certificate of Attainment in Modern Languages 2013
- RED CROSS First Aid 2012