JeanPiere Demir

Electrical and Electronics Engineer
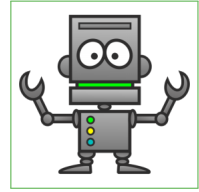
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Education

2008–2012	**HighSchool**, *Selim Nevzat Sahin Anadolu Lisesi*, Antakya, .
2012–2017	**BSc**, *Middle East Technical University*, Ankara, *2.60/4.00(75)*.

Experience

Vocational

2014–2015 Intern, *SciRobot*, Ankara.

sciRobot is a startup company about Social Cognitive Interactive Robot company,and I was Product Electronics Design Engineer at company.I helped at designing several robotic board designs.
- PomodoroBot(Time-management assistant robot);
- SciRo(An assistant robot for Dementia patients);

2015–2016 Research Intern, *DAI-Labor*, Berlin.

DAI-Labor is Germany based research insitute . We tried to develop a companion robot for elder people people,and I dealt with action recognition part of the project.

2016-? Product Manager, *EARSIS*, Ankara.

EARSIS is Ankara METU Technopolis based research and development company. We try to develop data acquisition systems for Industrial 4.0 applications. My job is developing a device which try to predict the maintenance of some electrical systems such as transformer,motors,etc. . I am dealing with Embedded Software and Measurement PCB Hardware.

Miscellaneous

2015–? Undergraduate Researcher, *METU Power Lab*, Ankara.

PowerLab is a research group which created by Murat Gol and Ozan Keysan ,who are Asso. Professor in METU Electrical and Electronics Engineering . We try to develop some topologies about Power Electronics and Motor Driving areas .
- **Analyzing Power Grid via Sparse Matrices:**Analyzing a power grid and solve the observability and stability problems,I write several algorithm to solve these problems ,and I used Incomplete Cholesky Algorithm
- **PMU(Phasor Measurement Unit)/Data Measurement System(DMS):**PMU measure the power system phasors and overall control system try to understand the grid is stable or not,and we try to build more Internet connected and more measurement module. I am software and Electric board designer at project.Also I am circuit tester/designer of the DMS board.

- More detailed info at https://github.com/Smashroom

Languages

Language 1	**German**	Native-(Speaking),Elementary-(Writing,Reading)
Language 2	**English**	Advanced
Language 3	**Arabic**	Elementary-(Speaking)
Language 4	**Turkish**	Native

Computer/Programming skills

category 1	Office,LaTeX	category 4	C++,C(CCS-C),M4-Cortex Assemble
category 2	Altium, KiCAD	category 5	Python 2.X, MatLab
category 3	Ubuntu, ROS(Robot operating System)	category 6	LTSpice,Simplorer

Interests

hobby 1	Trekking ,Mountain Climbing
hobby 2	Travelling,Reading
hobby 3	Cooking,Learning Languages

Activities

- **IEEE METU Student Club Membership(2012-2016)**:Active member in the Computer Society,Power Energy Society and chair of Robotics and Automation Society(2015-2016) Being in organize team approximately 15 or more events
- **METU Interdisiplinary Design Studio**:Participated in DTS-2 as PiHola group
- **IEEE RAS ICAR(International Conference of Advanced Robotics(2016)**