

Esref Ozturk

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- EMPLOYMENT**
- Co-founder** (April 2017 - Present)
Drive Buddy Inc., METU Technopolis
- Adaptive driver behaviour analytics
 - Automated accident detection
- Software Engineer** (June 2016 - June 2017)
Udemy Inc., METU Technopolis
- R&D on search functionality of *www.udemy.com* **Python, Django, Elastic Search**
- Software Engineer** (February 2016 - May 2016)
STM Defence Technologies & Engineering Inc., Ankara
- R&D on automated hardening platform for many systems including various OSes (Windows, Linux, FreeBSD...), web servers, mail servers. **Python, Django, Hardening**
- Software Developer** (April 2014 - January 2016)
Cyber Warfare Lab, Labris Networks, METU Technopolis
- R&D on Labris UTM, a Centos derived Linux distribution designed for unified thread management. **C++, Python, Bash, Postgresql, Centos, LDAP, UTM**
- Contracted Software Developer** (June 2014 - September 2014)
TUBITAK (The Scientific and Technological Research Council of Turkey)
- Developed a kernel module that provides multiple clipboards for Debian based operating systems. More information at <http://multiclip.github.io>. **C, Python, Kernel Hooks, X11**
- Software Engineering Intern** (June 2014 - July 2014)
Hazelcast, Istanbul R&D Office
- Developed sample Hazelcast integration modules of Hibernate 2nd Level cache and Spring. More information at <https://github.com/hazelcast/hazelcast-code-samples>. **Java, Hazelcast, Derby, Hibernate, Spring**
- Software Engineering Intern** (June 2013 - September 2013)
Kovan Research Lab, METU
- Developed a web application that lets instructors prepare exams according to preferred criteria. **Python, Django, Mysql**
- PUBLICATIONS**
- Demirpolat, A., Ergenc, D., **Ozturk, E.**, Onur, E. 2018. "Software-defined Network Security". Enabling Technologies and Architecture for Next-Generation Networking Capabilities. IGI Global.

EDUCATION	M.S., Computer Engineering (Dropout) Middle East Technical University, Ankara, Turkey
	B.S., Computer Engineering (Graduation: June 2016) Middle East Technical University, Ankara, Turkey
TECHNICAL EXPERIENCE	Pwner (January 2014 - Present) <i>www.0xdeffbf.com</i> <ul style="list-style-type: none"> Practicing information security topics, organizing and participating Capture the Flag Competitions.
	Checkmate (September 2014 - January 2015) <i>CheckmateChess.github.io</i> <ul style="list-style-type: none"> Web application for playing chess running GNUChess in the background.
	Hypnos (September 2015 - Present) <i>senior.ceng.metu.edu.tr/2016/newline</i> <ul style="list-style-type: none"> Personalized sleep tracking and analyzing system that focuses on optimizing people's sleep. Arduino, Raspberry Pi, Android, Python, Django, Machine Learning
AWARDS & HONORS	<ul style="list-style-type: none"> First Place, CTF, Prodaft/Invictus Europe, Turkey, May 2016 First Place, CTF, STM Defence Technologies & Engineering Inc., Turkey, Oct 2015 First Place, Web Application CTF, Ankara University & Octosec Information Security Team, Turkey, May 2014 First Place of Turkey, 67th Team of All, IEEEExtreme Programming Competition 9.0, Oct 2015 Second Place, among foreign participants, Open All-Ukrainian Collegiate Programming Contest, Ukraine, Oct 2014 Honorable Mention, Hash Code, Google, Feb 2016 Honorable Mention, ACM ICPC, SEERC, Ukraine, Oct 2014 Honorable Mention, ACM ICPC, SEERC, Ukraine, Oct 2013 Honorable Mention, IEEEExtreme Programming Competition 7.0, Oct 2013 Honorable Mention, IEEEExtreme Programming Competition 6.0, Oct 2012 Honorable Mention, IEEEExtreme Programming Competition 5.0, Oct 2011 High Honor Student, METU Computer Engineering, Feb 2016 Certificate, Google Developer Challenge Scholarship, Udacity, Nov 2017 Certificate, MCNA - Network(Fast), Middle East Technical University - Continuous Education Center, May 2014
EXTRA-CURRICULAR ACTIVITIES	<ul style="list-style-type: none"> Active member of METU-CENG ACM Student Chapter SAYOKAN (Turkish Martial Art) Student Member of IEEE (2011-Present) Student Member of ACM (2013-Present)