Mustafa Onur EKEN

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Education

Oct 2016 – present	**Technische Universität München**, Bayern, Germany *Master of Science in Informatics*
Sep 2011 – Jun 2016	**Boğaziçi University**, Istanbul, Turkey *Bachelor of Science in Computer Engineering* **GPA:** 3.46 / 4.00, Received Honor Certificate **Graduation Project:** Player Rating Estimation via Bayesian Inference

Experience

May 2017 – Present	**Siemens AG**, Munich, Germany *Master Student* Thesis topic: Object Detection and Pose Estimation in 3D Data
Oct 2017 – May 2017	**Siemens AG**, Munich, Germany *Working Student* Collaborated on a project that addresses the problem of pose graph optimization in computer vision. **Paper:** https://arxiv.org/abs/1805.12279
Apr 2017 – Jul 2017	**TU München, Chair of Data Mining and Analytics**, München, Germany *Working Student* Implemented an interactive graph visualization package in Python. Runs on web browsers, built using WebGL 2.0. Prominent features: • Jupyter notebook integration • Time efficient rendering • Programmable visualization attributes • Multi-view visualizations • Messaging across views
Aug 2015 – Sep 2015	**Huawei Technologies Co.**, Istanbul, Turkey *Software Engineering Intern* Worked on a project that aims cluster analysis of a Twitter dataset. Practiced principles of NLP and implemented fundamental algorithms.
Jun 2015 – Aug 2015	**Twentify**, Istanbul, Turkey *iOS Development Intern* Implemented some features in the production application using Objective-C.
Jun 2014 – Aug 2014	**sahibinden.com**, Istanbul, Turkey *Android Development Intern* Learned basics of mobile application development. Implemented a minimalistic client application for Twitter.

Skills

Natural Languages	Turkish (Native), English (Fluent), German (A2)
Languages & Tools	C, C++, Java, MATLAB, Python, Python Data Science Stack, AWS, PyTorch, Tensorflow, OpenGL, Javascript, LaTeX, Linux/Unix, Git

Certificates and Honors

Jul 2017	**Intercultural Competence and Communication Workshop**, *some of the topics covered are expectation management, multicultural teams, culture shock, perception, stereotypes.*
Aug 2016	**Vision & Sports Summer School, Prague,** *got introduced to state-of-the-art computer vision techniques and the recent works of the participant professors.*
Oct 2015	**TOEFL iBT,** *Reading: 27, Listening: 26, Speaking: 22, Writing: 22,* Overall: 97/120
Sep 2015	**GRE,** *Analytical Writing: 3.0/6.0, Verbal Reasoning: 150/170, Quantitative Reasoning: 170/170*
Multiple Occasions	**Deans Honor List,** *Spring '13, Fall '13, Spring '14, Fall '14, Spring '15, Fall '15, Spring '16*
Fall 2012	**Deans High Honor List**

Activities

- **Interdisciplinary Project** @TU München, Chair of Construction Management & Real Estate Development *Oct 2017 - Apr 2018*

  Created datasets for 6 cities in Germany and implemented two custom machine learning models for the prediction of the rate of returns in the real estate market.
- Attended to **Innovation Hack** @Microsoft Munich, *Apr 2018*

  Developed a real-time vehicle driver monitoring application using Azure services and Python in which driver is able to specify what actions to alert for.
- Attended to **3D Reconstruction and Scene Understanding Meetup** @Google Munich, *Nov 2017*

  Participants presented their recent works.
- Member of **COMPEC**, @Boğaziçi University, *Sep 2011 - Jun 2012*

  Worked and in the organization of a hackathon: *7DX*
- Attended to an international **Summer Camp** @Jena Germany, *Aug 2012*

  Charity work on re-organization of some rural facilities.
- I am keen on basketball; I love tennis, skiing, hiking, reading, traveling.