

# Mustafa Onur EKEN

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## Education

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- 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  
**Advisor:** Assoc. Prof. Ali Taylan Cemgil

## Experience

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- Oct 2017 – Present    **Siemens AG**, Munich, Germany  
*Working Student*  
Collaborating on a project that addresses the problem of pose graph optimization in computer vision.
- 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

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- Natural Languages**    Turkish (Native), English (Fluent), German (A2)
- Languages & Tools**    C, C++, Java, MATLAB, Python, Python Data Science Stack, PyTorch, Tensorflow, OpenGL, Javascript,  $\text{\LaTeX}$ , Linux/Unix, Git

## Certificates and Honors

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

## Activities

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- **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.