



# Onat Buyukakkus

## Curriculum Vitae

After graduating from Middle East Technical University with an honors degree in Computer Engineering, I have completed my Master's Degree at Technical University Denmark in Computer Science and Engineering at June 2019. I have undertaken two internships with both practical and theoretical aspects. I am currently working as a software engineer at Microsoft. I am fluent with C++, Java and I am experienced with software development of web services. You can see detailed descriptions of projects I have developed below.

### Education

- 2017–2019 **Master of Science**, TECHNICAL UNIVERSITY OF DENMARK, Lyngby, Denmark, Computer Science and Engineering.  
TEV - Garring Foundation Scholarship Student  
Thesis: *Pipeline for Analyzing and Visualizing Eye Tracking Data*  
3.62/4.00
- 2013–2017 **Bachelor of Science**, MIDDLE EAST TECHNICAL UNIVERSITY, Ankara, Turkey, Computer Engineering.  
3.18/4.00, Honor
- 2009–2013 **High School**, BORNOVA ANADOLU HIGH SCHOOL, Izmir, Turkey, Science and Maths.  
90.32/100

### Experience

#### Technical

- 2019- **Software Engineer**, MICROSOFT, Copenhagen, Denmark.  
Working in App Integration team.  
Responsible with integration of Business Central with other services and implementation of Business Central API stack.
- 2018-2019 **Student Worker**, MICROSOFT, Copenhagen, Denmark.  
Worked in App Integration team.
- 2016 **Summer Intern**, TRINITY COLLEGE DUBLIN, Ireland.  
Worked at Distributed Systems Lab with Prof. Dr. Stephen Barrett on SonarQube. Developed a Yesod web application which automates SonarQube execution process of GitHub projects for better understanding of software and metrics.  
[github.com/onatbuyukakkus/sonarqubeEx](https://github.com/onatbuyukakkus/sonarqubeEx)

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2015 **Summer Intern**, CYBERSOFT, Izmir Technology Development Zone, Turkey.  
Worked on localization of BKS (Bireysel Krediler Sistemi). Our objective was to develop existing system to a multi-language base. I implemented several scripts to find concatenations and constants in large Java projects using regular expressions and record them with their line numbers and class names.  
[github.com/onatbuyukakkus/Localization](https://github.com/onatbuyukakkus/Localization)

## Social

2014–2018 **Internet Assesor**, YANDEX, Freelance.  
Worked on web search evaluating and human judgment. Deciding relevancy, quality and freshness of websites, images and videos according to queries.

2011–2012 **Delegate**, EUROPEAN YOUTH PARLIAMENT.

- EYP 9. National Selection Conference, Lycee de Galatasaray, Istanbul, Turkey  
Committee on Regional Development (REGI)  
Focused on What kind of strategies should the EU adopt regarding the recent democratic revolutions in North African and Middle Eastern countries, while keeping in mind both the strategic importance of the region and the democratic rights of the citizens.
- EYP 11. National Selection Conference, Kabatas Erkek High School, Istanbul, Turkey  
Committee on Legal Affairs (JURI)  
Focused on Worldwide Internet censorship concerns: Taking into consideration proposals such as SOPA and PIPA in the United States of America and ACTA in Europe, what further measures can the European Union take to prevent copyright infringement, whilst guaranteeing freedom of information on the Internet.

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## Projects

2018 **Instagram Follower**.  
A web app for tracking friendships on Instagram using private API. Instagram Follower is a personal project of mine.  
**Used Technologies:** Java, RESTful, JMS, MDB, Wildfly, Jenkins  
[github.com/onatbuyukakkus/instagramfollower](https://github.com/onatbuyukakkus/instagramfollower)

2018 **Kolkata**.  
A fast pay mobile application backend developed with test driven approach. Kolkata was developed as a term project for 02267 - Software Development of Web Services under consulting of Assoc. Prof. Hubert Baumeister.  
**Used Technologies:** Java, RESTful, JMS, MDB, SOAP, Cucumber, Wildfly, Jenkins  
[github.com/onatbuyukakkus/kolkata](https://github.com/onatbuyukakkus/kolkata)

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## 2016-2017 **EduSys.**

EduSys is designed to analyze behavior of students in a classroom and produce true and proper feedback to instructors, students and administration. It provides

- Automated attendance system with face recognition either with an IP camera or photographs.
- Statistical feedback to lecturers about attendance and interests of students.
- Generating future interest areas according to interests and success of students to certain course combinations.
- Distribution of students in the seats of the class.
- Semester reports about lecturers for administration as evaluations.
- Informative attendance notifications.

EduSys was developed as Senior Project under consulting of Assoc. Prof. Dr. Sinan Kalkan and Dr. Cevat Sener.

**Team Members:** Onur Adiguzel, Ata Duru, Enver Evci, Onat Buyukakkus

**Used Technologies:** Python, OpenCV, Java, JavaScript, CSS, HTML, Hibernate, PostgreSQL, Apache Tomcat

[senior.ceng.metu.edu.tr/2017/squ4re](http://senior.ceng.metu.edu.tr/2017/squ4re)

[github.com/onatbuyukakkus/EduSys](https://github.com/onatbuyukakkus/EduSys)

*Poster: [senior.ceng.metu.edu.tr/2017/squ4re/docs/squ4re-poster.png](http://senior.ceng.metu.edu.tr/2017/squ4re/docs/squ4re-poster.png)*

## 2017 **News Classifier.**

News Classifier is a Python program with a simple user interface developed for classification of news articles according to their categories. Users can generate a model with labeled training data and either test individual inputs or test accuracy rate for multiple test inputs. Models are constructed by Naive Bayes Classification method. Project was developed for CENG499 Introduction to Machine Learning course under consulting of Asst. Prof. Dr. Selim Temizer.

**Team Members:** Onur Adiguzel, Ata Duru, Enver Evci, Onat Buyukakkus

**Used Technologies:** Python, Tkinter, TextBlob

[github.com/onatbuyukakkus/newsClassifier](https://github.com/onatbuyukakkus/newsClassifier)

## 2015 **Exiled To Wild.**

ETW is a basic web gaming platform where multiple users can join the map and try to survive. Users can attack each other, attack animals, cut trees to gain experiment points and upgrade their levels. Map consists of grass, lake, trees and animals and weapons. Project was developed for CENG498 Software Development with Scripting Languages course under consulting of Dr. Onur Tolga Sehitoglu.

**Team Members:** Enver Evci, Onat Buyukakkus

**Used Technologies:** Python, Django, HTML, MySQL

[github.com/onatbuyukakkus/exiledToWild](https://github.com/onatbuyukakkus/exiledToWild)

## Computer skills

Advanced JAVA, C++, C#, AL, Unix, OOP, Software development & design, Web services, OData, GIT

Intermediate PYTHON, JAVASCRIPT, HIBERNATE, RESTFUL, JMS, JENKINS, Data science

Basic DJANGO, YESOD, HASKELL

## Languages

Turkish **Mothertongue**

English **Advanced**

TOEFL IbT 103

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## Awards, Honors and Certificates

2017	<b>Scholarship</b>	<i>TEV - Garring Foundation Scholarship for M.Sc. students at DTU</i>
2017, 2016	<b>High Honor</b>	<i>Middle East Technical University, Ankara</i>
2015, 2014	<b>Honor</b>	<i>Middle East Technical University, Ankara</i>
2015	<b>Certificate</b>	<i>METU GIMER Entrepreneurship Certificate Program, TUBITAK</i>
2010	<b>Certificate</b>	<i>Ankara University TOMER B2 (Upper Intermediate) European Language Portfolio</i>
2008	<b>Award</b>	<i>Let Your English Grow Scholarship for Education aBc English Language Course/Oxford, England</i>