

**F. Ege Hoşgüngör**  
Brighton-based and UK-wide  
Tel: +44 (0)7307 226625  
Email :F.Hosgungor@sussex.ac.uk

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Highly motivated life-long learner ai engineer/artist. Currently studying for a Master of Science Degree in Advanced Computer Science at the University of Sussex, focusing on edge of technologies in AI.

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## Education

### Sep 2019 – Present: MSc Advanced Computer Science, University of Sussex, Brighton, United Kingdom

The course combines theoretical study and practical projects, developing technical and transferable skills. Some of the projects are:

- [A Binary Image Classification Machine Learning Project](#) in Postgraduate Machine Learning Module, Finished at top on the leaderboard.
- [Pandemic Simulation with Reinforcement Learning](#), ongoing dissertation project for master's degree
- Expected GPA: Distinction 1:1

### Sep 2014 – June 2019: BA Mechanical Engineering, Koç University, Istanbul, Turkey

- Dissertation researched the Haptic Feedback for Virtual Reality.
- Area Elective Courses: Rocket Propulsion / Finite Elements Analysis/Machine Design
- Several research and practical experience in Immersive, Design, Automation and Manufacturing, Optics, Nanotechnology labs.

### Sep 2010 – May 2014: Beşiktaş Atatürk Anatolian High School

## Experience Computer Science

### Jan 2019 – Jun 2019: Mentor and Developer in Koç University Karma Lab Immersive Technologies

- Obtained team leading experience including professionals, postgrads and grad students.
- Mentored the Lab's several projects in VR and AI.
- Gained Proficiency creating projects with Arduino/ Leap Motion and VR

### Oct 2018 – Jun 2019: Undergrad Research Assistant, KUAR Research Center for Creative Industries

- Created a "Virtual Twin" of Koç University campus by using photogrammetry techniques, modelling and unity. It is a platform which students can experience various simulation or develop their own.
- Lead a team which includes architects, designers and developers.
- Obtained a deep care about developing, releasing and maintaining high quality code.
- Learned to use version control Git with large-scale simulations.

### Oct 2016 – Nov 2017: Undergrad Research Assistant, Optical Microsystems Laboratory

- Worked on creating Light Field simulation in Unity.
- Had teamwork experience with other undergrads who were from different fields on an AR application with Vuforia.

## Engineering Experience (Mechanical Engineering)

### Aug 2018 – Sep 2018: Summer Intern, BSH Hausgeräte

- Worked in Cooling R&D New Projects Department
- Contributed on Cooling Systems-Functional Development & Testing R&D Center of Refrigeration
- Learned the practical areas of "Peltier Effect"

**Aug 2017 – Sep 2017: Summer Intern, Ford Otosan**

- Worked in "Engine and Power Train Manufacturing Department R&D."
- Contributed to development of "One Piston Cylinder Motor".

**Oct 2014 – Jan 2016: Trainee, Koç University Mechanical Engineering Labs**

- Worked in Manufacturing and Automation Research Center, supported students Dynamic and Design Projects supervised by Ismail Lazoğlu.
- Worked in Nanotechnology Laboratory, studied about NEMS/ MEMS in the Clean Room for B. Erdem Alaca

**Technical Skills:****Interested Areas:**

Reinforcement Learning, Deep Learning, Machine Learning, Data Science, Haptics, VR, Robotics, 3D Printing, Animation, Photogrammetry

**Frameworks:**

Tensorflow, Unity, React Native

**Programming Languages:**

Python, C#, Java, MATLAB, C

**Engineering Related:**

Arduino, Simulink, Ansys, Siemens NX

**Data Related:**

MongoDB, Google Cloud Platform, Firebase

**3D Modelling Related:**

Cinema 4D,, Maya, Blender, Substance Painter, Meshroom, SketchFab

**Projects and Achievements**

- [Best Senior Project](#) Award Class of 2018-2019, College of Engineering, Koç University
- [A Binary Image Classification Project](#) in Postgraduate Machine Learning Module spring teaching 2019/2020
- [Pandemic Simulation with Reinforcement Learning](#), ongoing dissertation project for master's degree
- Design of an exoskeleton hand interface for Virtual Reality
- [KU-Digital Twin a VR Project](#)
- Fluent in English, Turkish and B1 level in German

**Interests**

- Interested in theatre, played in many theatres plays since 2010 and went on tours in Turkey/Greece.
- Street artist as a Physical Performer in Greece.
- Honored Actor Award in "Schewyk in the second world war".
- A member of Koç University Dance Society since 2015, enjoys mostly Swing and Hip-hop
- A member of Koç University Mountaineering Club, several camping trips in 4 years.

**Referees**

Asım Evren Yantaç, Researcher and Lecturer, Koç University, +90 533 225 91 09/ [eyantac@ku.edu.tr](mailto:eyantac@ku.edu.tr)

Eşref Ünsal, Lecturer in Computer Science University, +90 212 338 2066 / [eunsal@ku.edu.tr](mailto:eunsal@ku.edu.tr)

Martin Berger Lecturer and Coordinator of Advanced Computer Science / [M.F.Berger@sussex.ac.uk](mailto:M.F.Berger@sussex.ac.uk)