

F. Ege Hoşgüngör
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Highly motivated life-long learner developer/engineer/artist. Currently studying for a Masters in Advanced Computer Science at the University of Sussex, focusing on edge of technologies in Virtual Reality.

Education

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

- The course combines practical projects and theoretical study, developing technical and transferable skills.
- Image Classification Machine Learning Project
- Dissertation Project is about creating a Pandemic Simulation with Reinforcement Learning
- Human Computer Interaction

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/Basic 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 Karma Lab's projects in VR and mobile VR.
- Proficiency creating projects with Arduino/ Leap Motion and Unity.

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 how to implement a Light Field simulation in Unity.
- Teamwork with other undergrads who were from different fields on an AR application with Vuforia.

Additional 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:**Programming Languages:**

Java, Python, C#, MATLAB, C

Interested Areas:

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

Engineering Related:

Arduino, Simulink, Ansys, Siemens NX

Data Related:

MongoDB, Google Cloud Platform, Firebase, Excel, Spyder

3D Modelling Related:

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

Frameworks:

React Native, Unity

Projects and Achievements

- Best Senior Project Award Class of 2019, College of Engineering, Koç University
- Fluent in English, Turkish and B1 level in German
- Proficient in C#, Java and very comfortable with Unity
- Hexacopter Drone Modelling Project
- Creating a Digital Twin

Interests

- Interested in theatre, played in many plays since 2010 and went on tours in Turkey/Greece.
- Street artist as Clownesk Performer (Like Chaplin / Mr Bean) 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 09x/ eyantac@ku.edu.tr

Eşref Ünsal, Lecturer in Computer Science University, +90 212 338 2066 / eunsal@ku.edu.tr

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