



# Berk Çiçek

**Place and Date of Birth:** Ankara,1998

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## Education

2017-2022	Bilkent University, Faculty of Engineering, Ankara, Turkey B.S. in Mechanical Engineering; CGPA: 3.33/4.0
2022-Present	Bilkent University, Faculty of Engineering, Ankara, Turkey M.Sc. in Computer Engineering; CGPA: 3.94/4.0

## Experience

Sep 22-Present	Graduate Research Assistant at LIRA Lab (Advisor: Asst. Prof. <b>Ozgur Oguz</b> ) Actively Using: Drake and RAI robotics toolboxes, Franka Research 3 Robot System <i>Robotic Manipulation, Task and Motion Planning</i>
Feb 22-June 22	QNB Finansbank Long term data science intern <i>Data Analysis</i>
Mar 20-June 22	Undergrad Researcher (Supervisor: Asst. Prof. Luca Biancofiore) CFD and Particle Modelling via LAMMPS, OpenFOAM and MATLAB <i>Modelling Self-driven Complex Particles under Optical Potential</i>
June 21-Aug 21	National Research Center of Italy (CNR-IPCF) - Messina Intern Researcher (Supervisor: Onofrio Marago) Particle Modelling via MATLAB <i>Modelling Janus Particles under Optical Potential and Thermophoresis</i>
Jan 21-June 21	EnerjiSA Üretim Long term intern at Bandırma Natural Gas Power Plant <i>Theoretical Model of Flow and Leaks in Plant</i>
Jun 20-Aug 20	TAI-TUSAS Intern Mechanical Design of Helicopter Body via CATIA

## Publications

### [Google Scholar](#)

- [Optically Driven Janus Micro Engine with Full Orbital Motion Control](#) - ACS Photonics 2023

## Skills & Abilities

**Computer:** Python, SQL, MATLAB, Drake, RAI, OpenFOAM, LAMMPS, CATIA, Solidworks, Solidworks Simulation, Ansys, Comsol, Microsoft Office, C++, SAP, PI, PI ProcessBook, Arduino, GML (Game Maker Language)

**Language:** Turkish (Native), English (Advanced), Italian (Beginner), Chinese (Beginner) (2<sup>nd</sup> Language in High School), Spanish (beginner) (1 Year Education), German (Beginner)

## Relevant Experiences

- Learning for Robotics CS-549 Teaching Assistant, Bilkent University , 2023 Fall
- Dincer Logistics Hackathon 100K TL Reward Winner with “CV based Warehouse Optimization” Project
- Python CS-115 Teaching Assistant, Bilkent University , 2022 Fall- 2023 Spring
- CS554 Computer Vision Term Project: Hand Pose Estimation with LTF
- CS549 Learning for Robotics Term Project: Grasp Point Detection with F-ViT
- Graduation Project: Multi-Directional Power Chair and Online VR Game of Power Chair Soccer via Unity and Photon
- CrossWalker: NY Times Mini Crossword Puzzle Solver - CS461 AI Project Using NLP and Search Algorithms
- FNSS Case Challenge Winner
- British American Tobacco (Turkey) Case Challenger Winner
- Sabancı Holding YNKD Fellow
- ROKETSAN-MES; Exoskeleton Project Member
- Electric Vehicle Project Coordinator
- Bilkent Electric Vehicle Society Dynamic Design Team
- Term Project on “Analyzing the Cavitation of Viscoelastic Lubricants”
- Project Research about “Solar Stirling Engine Thermodynamics Analysis”
- Member of Project Group “Unmanned Land Vehicle” MES Bilkent
- IEEE Arduino Trainings
- Project Research about “Gyroscopes in Systems”

**Github:** <https://github.com/Berkc8>

**Scholar:** <https://scholar.google.com/citations?user=S03JmUcAAAAJ&hl=tr>

## Extra-Curricular Activities

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- Python CS-115 Tutor, Bilkent University Python Tutor, 2019-2020
- Board member, Bilkent University Mechanical Engineering Society, 2018-2019
- Club President, Bilkent University Mechanical Engineering Society, 2019-2020
- Volunteer Work, GSM, Ankara, 2017  
Community service practices in France by agency of GSM (2017), 1 month in France  
Community service practices in Estonia by agency of GSM (2017), 3 week in Estonia
- Sales and Marketing Representative, Bilkent Radio, 2017-2018
- Project Coordinator and Board Member, Bilkent Electric Vehicle Society, 2018-
- Campus Tour Guide, Bilkent Information Center, 2019-

## Personal Traits

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- Always open to learn new subject and develop personal skills
- Experienced several groups and laboratory group as a leader
- Comfortable with managing stress in working area
- Experienced about doing presentations to the public as a presenter
- Practical Intelligence
- Ability to learn new languages
- Is used to work with people from other cultures
- Driver license (B)

## Hobbies & Interests

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- Travel around the world and discovering different things
- I have been in most countries in Europe and also U.S.A and far East countries
- Scuba diving
- Winter sports; snowboarding, skiing
- Playing Chess

## References

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Dr. Ozgur Oguz,  
Professor at Bilkent University,  
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Dr. Luca Biancofiore,  
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