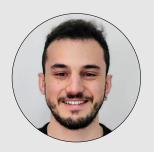
Enver **BASHIROV**

Machine Learning Engineer



About me

Passionate about leveraging cutting-edge technology to solve real-world challenges. With a strong foundation in software engineering and AI, I thrive on creating intelligent systems that bring innovation to life.

Personal

Enver Bashirov Azerbaijani 31 10 1994

Areas of Specialization

Software Engineering Machine Learning Computer Vision

Languages

Turkish Azerbaijani English Russian Italian

native native proficient intermediate beginner

Interests

Cycling • Coding • Board Games

- www.enverbashirov.com
- in enverbashirov
- enverbashirov
- enver.bashirov gmail
- **)** +39 391 492 4287
- 🚺 Italy, Padova

EXPERIENCE

20-23 | Machine Learning Engineer

RESEARCHER · MINTS (Padova, Italy)

Exploiting millimeter wave radio signals for indoor environment sensing. This was a EU H2020 action supporting my Ph.D program

Skills: Python · Software Engineering · Machine Learning

2022 Machine Learning Engineer

Ph.D Intern · Nokia Bell Labs (Espoo, Finland) ♥

Algorithmic peak detection approach for a communication architecture

Skills: Python • scikit-learn • pandas • numpy

2021 Deep Learning Engineer

PH.D INTERN · IMDEA Networks (Madrid, Spain)

Person detection and activity recognition architecture built on IEEE802.11 Access Points

Skills: Python • TensorFlow • PyTorch • numpy

2017 Full Stack Developer

RESEARCH ASSISTANT · EMU (Famagusta, Cyprus) • Front/Back-end design for university website and internal features

Skills: C# · ASP.NET · NodeJs · AngularJS · TypeScript · MySQL

2015 **Software Developer**

INTERNSHIP · Ones Technology (Ankara, Turkey) •
Front/Back-end design for private data visualization

Skills: Java Web Services • JVM • JAX-WSC • GlassFish

2013 **System Engineer**

RESEARCH ASSISTANT · Fujitsu Türkiye (Ankara, Turkey)
Server architecture design and network construction

Skills: C# · ASP.NET · NodeJs · AngularJS · TypeScript · MySQL



Mdea

networks

onestechnology

EDUCATION

2023 | Information Engineering

Pн.D University of Padova

Italy, Padova

2019 | Computer Science

MSc. EMU

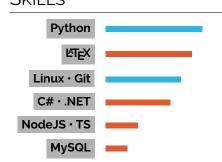
Cyprus, Famagusta

2017 Computer Engineering

BSc. Bilkent University

Turkey, Ankara

SKILLS



CERTIFICATES & GRANTS

2020 - 2023	EU H2020 MSCA (PhD Scholarship)	Grant No: 861222
2023	Winter School: DeepLearn23	Bournemouth, England 🛡
2022	Summer School: SSIE22	Brixen, Italy 🛡
2021	Summer School: SSIE21	Brixen, Italy 🛡
2019	Language Proficiency: IELTS	Score: 7.5
2019	Language Proficiency: TOEFL	Score: 98
2019 - 2020	EU Scholarship for Turkish Cypriots PG-NON EU	Funding: 8 000 Euros
2018 - 2019	EMU (BAP-C-02-18-01) Facial Emotion Recognition	Funding: 10 000 Turkish Lira
	with Deep Learning in Videos	

PUBLICATIONS

2023	Pegoraro, J., Lacruz, J. O., Meneghello, F., Bashirov, E., Rossi, M., & Widmer, J. (2023). RAPID: Retrofitting IEEE 802.11ay access points for
	indoor human detection and sensing. IEEE Transactions on Mobile Computing.

Bashirov, E., Canil, M., & Rossi, M. (2022, December). *RadNet: a testbed for mmwave radar networks*. In Proceedings of the 1st International Workshop on Emerging Topics in Wireless (pp. 1-5).

Shastri, A., Valecha, N., **Bashirov, E.**, Tataria, H., Lentmaier, M., Tufvesson, F., ... & Casari, P. (2022). *A review of millimeter wave device-based localization and device-free sensing technologies and applications.* IEEE Communications Surveys & Tutorials, 24(3), 1708-1749.

Hajarolasvadi, N., **Bashirov, E.**, & Demirel, H. (2021). *Video-based person-dependent and person-independent facial emotion recognition.*Signal, Image and Video Processing, 15, 1049-1056.

Pegoraro, J., Solimini, D., Matteo, F., **Bashirov, E.**, Meneghello, F., & Rossi, M. (2020, September). *Deep learning for accurate indoor human tracking with a mm-wave radar.* In 2020 IEEE Radar Conference (RadarConf20) (pp. 1-6). IEEE.

PROJECTS

2018 | Inventory Classification

Assignment · EMU Computer Center (Famagusta, Cyprus)

A platform with add, update, delete and report functionality for EMU's infrastructural details (University plot area, Building oxygen levels, Classroom student capacities etc.

Skills: Angular 7 · ASP.NET · Core 2.2 · C# · MS-SQL

2018 University Stats Reporter

ASSIGNMENT · EMU Computer Center (Famagusta, Cyprus)

A web-site/platform for displaying statistical student, program, department, faculty information since the year of establishment of FMU

Skills: ASP.NET 4 · C# · MVC

2018 Android Student Portal

Assignment · EMU Computer Center (Famagusta, Cyprus)

A platform for EMU students to check their academic information through an android application

Skills: Android Studio • Java

2018 | METUSchedular

SIDE PROJECT

A timetable creator/schedular web application designed for visualizing courses in Middle East Technical University. Easy to use, user friendly interface with quality of life functionalities aimed to assist METU students in their course selection period.

Skills: NodeJs • Angular • TypeScript

2018 Odd/Even Sum Computation

MSc. Course Project

Parallel (multi-threaded) and distributed (concurrent computation with two machines via socket programming), odd/even prefix algorithm to compute overall sum

Skills: C++ \cdot sockets \cdot threading

2017 | Image Segmentation using SuperPixels

BSc. Course Project

Image segmentation by using superpixels, Gabor Convolution, K-Means segmentation. 10 768 by 512 sample images were used for training and 1 1080 by 1919 image was used for testing. As a conclusion, larger superpixel count gave better results in the Simple Linear Iterative Clustering algorithm

Skills: MATLAB • K-Means • SLIC

2017 **NetWord**

BSc. Graduation Project

A Social networking platform for text based games. Users are categorized by analyzing inputs from the text based games and the user-matching done through this categorization, allowing users to be matched with similar views, thoughts and personalities giving an enhanced user-experience. Developed on Android Studio with Google FIREBASE **Skills:** Android Studio • Java • FIREBASE















2016 | StickMan Animation

BSc. Course Project

Stickman figure and animation with realistic but simple human-like movement. Implemented with WebGL including integrated shaders etc.

Skills: WebGL

2016 | Static Memory Management

BSc. Course Project

Raw memory management in C. Static library for creating an allocated segment, memory allocation, memory deallocation and displaying the segment information. An alternative memory allocation library using only pointers with manual address management

Skills: C

2016 **I/O Testing**

INTERN ASSIGNMENT · ONES Technology (Ankara, Turkey)

A system for displaying test results such as user inputs, account details, processed data information, final output etc. Data pushed by server side file was previewed in client-side page. Usage of Global Variables (GET, POST, SESSION etc.)

Skills: PHP · MYSQL

2016 | Server Logging

INTERN ASSIGNMENT · ONES Technology (Ankara, Turkey)

Displaying server errors, warnings and logs. JAX-WS enables realtime browser supported preview of logs in the Glass-

Skills: JAX-WS • Glassfish

2015 System Room Design

INTERN ASSIGNMENT · Fujitsu Technology Solutions (Ankara, Turkey)

Transferring and updating of old system room into a new location. Usage of; public and local, wireless and wired network management, central data traffic management, firewall configuration, data backup management, satellite connector and controller configuration etc.









