

PERSONAL INFORMATION

Name & Surname CANSIN BAYRAK
Address (Home) N/A
Telephone GSM + 90 505 416 73 36
E-mail cansinbayrak@gmail.com
Nationality Turkish
Date of birth 24.MAY.1991

OBJECTIVE

To acquire enough experience and skills in the broad area of Computer Science to pursue high quality Doctor of Philosophy degrees.

EDUCATION AND TRAINING

Title of qualification **Doctor of Philosophy (PhD.) in Computer Science**
Duration of Study 2016 – Present
Name and type of organization Institute of Science, TOBB University of Economics & Technology, Ankara / Turkey
Funding Doctoral Fellowship [Full Tuition Waiver & Fellowship]
By TOBB University of Economics & Technology
Grade 3.57/4.00

Title of qualification **Master of Science (MSc.) in Computer Science**
Duration of Study 2014 – 2016
Name and type of organization Institute of Science, TOBB University of Economics & Technology, Ankara / Turkey
Funding Master Fellowship [Full Tuition Waiver & Fellowship]
By TOBB University of Economics & Technology
Grade 3.64/4.00

Title of qualification **Bachelor of Science (BSc.) in Computer Science**
Duration of Study 2009 – 2014
Name and type of organization Faculty of Engineering, TOBB University of Economics & Technology, Ankara / Turkey
Funding Bachelor Fellowship [Full Tuition Waiver & Fellowship]
By TOBB University of Economics & Technology
Grade 3.03/4.00

Title of qualification **Bachelor of Science (BSc.) in Industrial Engineering (Double Major)**
Duration of Study 2010 – 2014
Name and type of organization Faculty of Engineering, TOBB University of Economics & Technology, Ankara / Turkey
Funding Bachelor Fellowship [Full Tuition Waiver & Fellowship] By TOBB University of Economics & Technology
Grade 2.33/4.00

INTERNSHIPS

Athena Computer, Antalya/Turkey Jan 2012 – Apr 2012
MedicalFly GmbH, Berlin/Germany May 2012 – Aug 2013
Innova IT Solutions Inc., Ankara/Turkey Jan 2013 – Apr 2013

WORK EXPERIENCE

Occupation or position held Project Assistant (Part-time)
Name and address of employer Osman Abul (Associate Professor of TOBB University of Economics & Technology, Ankara/Turkey)
Dates Jan 2015 – Dec 2016
Work Description Location Privacy on Location-Based Services

Occupation or position held	Teaching Assistant
Name and address of employer	TOBB University of Economics & Technology, Ankara/Turkey
Dates	Aug 2014 – Present
Work Description	Teaching assistant of Computer Engineering courses
Occupation or position held	Software Developer
Name and address of employer	YD Software Company, Ankara/Turkey
Dates	Aug 2016 – Apr 2017
Work Description	Work in İzmir Municipality Personnel Tracking System and Ankara Municipality Application Tracking System in C#
Occupation or position held	Software Developer
Name and address of employer	ASELSAN A.Ş., MGEO, Akyurt/Ankara/Turkey
Dates	Apr 2019 – Present
Work Description	Work in ANS (Airborne Inertial Navigation System) projects under the Avionics Software Design Department. Design and maintain the software of land and air vehicles' ANS systems. Design and handle the communication between ANS and IMU (Inertial Measurement Unit) systems Design and handle the communication between ANS and EGR (Embedded GPS Receiver)

PhD. COURSEWORKS

- Pattern Recognition
- Deep Learning
- Artificial Intelligence
- Natural Language Processing
- Information Retrieval Systems
- Heuristics Algorithms
- Internet Security Protocols

MSc. COURSEWORKS

- Data Mining
- Machine Learning
- Computer Vision
- Algorithms Analysis
- Theory of Computation
- Distributed Data Processing and Analysis
- Introduction of Cyber Security

PERSONAL SKILLS AND COMPETENCES

Mother Tongue	TURKISH
Other Languages	ENGLISH

COMPUTER LITERACY

Have a great basis upon Navigation Systems
Have a great basis upon Avionics Systems
Have a great basis upon Embedded Systems Programming
Have a great basis upon Data Mining, Machine Learning and
Deep Learning
Have a great basis upon Graph Theory, Algorithm Analysis,
Heuristic and Meta-Heuristic Algorithms (e.g., Optimization
and Local Search)
Have a great basis upon Database Programming (e.g. MySQL)
Competent With Image Processing and Computer Vision

	Competent with Web Services, Web Applications, and Android Programming
	Competent with Microsoft Programs (e.g. MS Office)
	Competent with Linux OS
Programming Languages	Java, C, C++, C#, ASP.Net, Visual Basic, Python, Matlab, Javascript, PHP, Assembly Programming, DXL (Doors Extension Language)
Tools/IDEs/Systems	TI Code Composer, Altera Nios II, IBM Rhapsody, Visual Studio, Eclipse Git, SVN, IBM Clearcase IBM ClearQuest, IBM Doors, Jira

PUBLICATIONS

Abul, O., & Bayrak, C. (2018). From location to location pattern privacy in location-based services. *Knowledge and Information Systems*, 1-25.

Bayrak, C., & Abul, O. (2016). Konum Tabanlı Servislerde Konum Örüntü Mahremiyeti. Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu.

Kutlu, M., Darwish, K., Bayrak, C., Rashed, A., & Elsayed, T. (2019). Embedding-based Qualitative Analysis of Polarization in Turkey. arXiv preprint arXiv:1909.10213. (Social Info 2019, Poster)

Rashed, A., Kutlu, M., Darwish, K., Elsayed, T., & Bayrak, C. (2020). Embeddings-Based Clustering for Target Specific Stances: The Case of a Polarized Turkey. arXiv preprint arXiv:2005.09649. (ICWSM 2020)

Master thesis can be found at Turkey Council of Higher Education Thesis Center (<https://tez.yok.gov.tr>) with the Thesis Number 450646. (Lang. Turkish)