Zehra Nur Özbay– Curriculum Vitae

Address	Ege University
	International Computer Institute
	Bornova, Izmir, 35100 Türkiye
Email-1	zehra.nur.ozbay[at]ege.edu.tr
Email-2	zehranurozbay[at]gmail.com
Website	zehranurozbay.github.io
Nationality	Turkish

(last update: March 2026)

Education

2023- now **PhD**, Information Technologies - International Computer Institute, Ege University, Izmir

Advisor Prof. Dr. Mehmet Emin Dalkılıç
GPA 4.00/4.00

2019-2023 MSc, Information Technologies, - International Computer Institute, Ege University, Izmir
2019-2020 Compulsory Scientific Preparatory Year

Advisor Prof. Dr. Mehmet Emin Dalkılıç
Thesis *A Study on Improving Performance in Deep Packet Inspection Tools*
GPA 3.93/4.00

2013-2015 MSc, Mathematics, - Gebze Technical University, Kocaeli

Advisor Prof. Dr. Sibel Özkan
Thesis *2-factorization of Complete Equipartite Graphs with Four and Eight Cycles*
GPA 3.64/4.00

2008-2013 BSc, Mathematics (100% English), - Dokuz Eylul University, Izmir
2008-2009 One-year English Prep
GPA 3.41/4.00

Published papers

2015 Z. N. Özbay ve M. E. Dalkılıç, "nDPI Derin Paket İnceleme Aracı Üzerinde Bir Çalışma" TBV-BBMD, c. 16, sy. 2, ss. 137–146, 2023, doi: 10.54525/tbbmd.1253700.

Projects

2013-2015 **Cycle Decompositions of Graphs**, Scholarship Recipient
TUBITAK-1001 Project @ Gebze Technical University

Conferences and workshops attended

July.2020 Yapay Öğrenme Yaz Okulu, Bilkent University

May.2020 Uzaktan Eğitim, İş ve Kariyer- 5N1K-Çevrimiçi Konferansı, Muğla Sıtkı Koçman University

Dec.2014   İstanbul Discrete Mathematics Meetings, Boğaziçi University

Oct.2014   Workshop on Graph Theory and Its Applications IV, Boğaziçi University

Work experience

Mar.2020 -   Ege University, Izmir
current   *Research Assistant*

Sep.2016 -   Republic of Türkiye Ministry of National Education
Jun.2017   *Math teacher in various middle schools*

Teaching experience

25-26   Ege University, International Computer Institute
Spring   *Teaching Assistants in Computer Graphics, Network Security, Machine Learning*

25-26   Ege University, International Computer Institute
Spring   *Teaching Assistants in Cryptosystems and Cryptoprotocols, Game Theory,*
Object Oriented Programming,
Discrete Structures for Computer Science

24-25   Ege University, International Computer Institute
Spring   *Teaching Assistants in Computer Graphics, Network Security*

24-25   Ege University, International Computer Institute
Fall   *Teaching Assistants in Cryptosystems and Cryptoprotocols, Game Theory,*
Object Oriented Programming

23-24   Ege University, International Computer Institute
Spring   *Teaching Assistants in Computer Graphics, Network Security*

23-24   Ege University, International Computer Institute
Fall   *Teaching Assistants in Cryptosystems and Cryptoprotocols*
Data Structures and Algorithms

22-23   Ege University, International Computer Institute
Spring   *Teaching Assistants in Computer Graphics, Operating Systems*

22-23 **Fall**	Ege University, International Computer Institute *Teaching Assistants in Cryptosystems and Cryptoprotocols* *Data Structures and Algorithms, Computer Organization*
21-22 **Spring**	Ege University, International Computer Institute *Teaching Assistants in Computer Graphics, Operating Systems*
21-22 **Fall**	Ege University, International Computer Institute *Teaching Assistants in Computer Organization, Probability*
20-21 **Fall**	Ege University, International Computer Institute *Teaching Assistants in Computer Organization, Probability*

Certificates

Mar.2026	**Convolutional Neural Networks** Cert Link **Platform:** DeepLearning.AI
Feb.2026	**Structuring Machine Lerning Projects** Cert Link **Platform:** DeepLearning.AI
Jan.2026	**Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization** Cert Link **Platform:** DeepLearning.AI
Dec.2025	**Neural Networks and Deep Learning** Cert Link **Platform:** DeepLearning.AI
Oct.2024	**Complete A.I. & Machine Learning, Data Science Bootcamp** Cert Link **Platform:** ZTM Academy via Udemy
Jul.2022	**Selenium Webdriver with Python from Scratch + Frameworks** Cert Link **Platform:** Rahul Shetty Academy via Udemy
Jun.2016	**Pedagogical Formation Training Certificate** **Location:** Ege University Faculty of Education

Technical skills

Programming Languages: C/C++, Java, Python, TypeScript, JavaScript
Web Development: HTML, CSS, Bootstrap
Back-End Development: Node.js
Frameworks: Angular, Spring Boot, Express, Selenium Web Driver
Typesetting and Documentation: LaTeX

Exam scores

ALES: 91.49/100 *(Ranked 562/332,588; National graduate entrance exam)*
YDS: 91.25/100 *(National foreign language proficiency exam)*
IELTS: 7.0 (Overall)

Volunteer works

"Don't Throw It Away — Donate It" Electronic Waste Collection Initiative

Referees

Available upon request.