

Emre ÇOBAN

Lecturer / Software Developer

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EDUCATION

Information and Communication Technologies

Rey Juan Carlos University

Oct 2024 – present

Madrid, Spain

- **Doctor of Philosophy**
- Studying on AI-based methodologies for improving programming education.
- More: phd.emre.run

Computer Education and Instructional Technology

Amasya University

2018 – 2021

Amasya, Turkey

- **Master of Science**
- **GPA:** 3,66 / 4
- Developed a web app to measure Computational Thinking skills.

Computer Education and Instructional Technology

Ondokuz Mayıs University

2016 – 2018

Samsun, Turkey

- **Bachelor of Science**
- **GPA:** 3,43 / 4
- Developed an android application for disabled people.

Computer Programming

Ondokuz Mayıs University

2013 – 2015

Samsun, Turkey

- **Associate of Science**
- **GPA:** 3,46 / 4
- Developed a CMS for values education.

Information Technology

Atakum Vocational and Technical High School

2009 – 2013

Samsun, Turkey

- **High School**
- **GPA:** 73,01 / 100
- Developed a program to Control PC via SMS.

LANGUAGES

Turkish

Native



English

B2



AWARDS

Honor Student

Ondokuz Mayıs University

2015

EXPERIENCE

Lecturer

Ardahan University

Department of Computer Technology, Vocational School of Technical Sciences

Mar 2024 – Present

Ardahan, Turkey

Reserve Officer

Gendarmerie and Coast Guard Academy

Dec 2021 – Oct 2022

Ankara, Turkey

- It was mandatory duty. Every male Turkish citizen is obliged.
- Conducted in-depth research on virtual reality, augmented reality, and mixed reality technologies to enhance training programs.
- Contributed as an editor for various studies, ensuring accuracy, clarity, and quality of written materials.
- Guided and collaborated with developers, providing expertise and support in the implementation of innovative projects.

IT Teacher

Samsun Vocational and Technical Anatolian High School

Sep 2017 – May 2018

Samsun, Turkey

- Facilitated instruction of Arduino to high school students, ensuring comprehensive understanding and skill development.
- Assessed student projects and assignments, providing constructive feedback and evaluating progress accurately.

Web Developer

Side Internet and IT

Jun 2014 – Aug 2014

Samsun, Turkey

- I converted the designs in the format of PSD or PNG to HTML/CSS, and then coded in Classic ASP.

Web Developer

Kayrasoft Software and IT

Jul 2013 – Apr 2014

Samsun, Turkey

- Converted PSD and PNG designs into responsive HTML/CSS code, ensuring accurate representation of the original design.
- Developed corporate websites using Classic ASP, utilizing JavaScript and jQuery for enhanced functionality.
- Implemented database operations using MySQL and MS Access for efficient data management.
- Focused on creating user-friendly websites with simple CRUD operations to effectively showcase brand identity.
- Mentored and assisted interns in website development projects.

Web Developer

KA Information Technologies

Jun 2012 – Nov 2012


Samsun, Turkey

- Developed and implemented responsive corporate websites using HTML/CSS, converting designs from PSD or PNG formats.
- Utilized JavaScript and jQuery for enhanced functionality and user experience.
- Focused on CRUD operations to streamline website functionality and brand presentation.
- Contributed to high-profile projects for government organizations, including monitoring construction projects in Turkey and tracking women's health across multiple cities.

PUBLICATIONS

Computational Thinking Measurement of CS University Students

Jun 2024

Hijón-Neira, R., Pizarro, C., French, J., Palacios-Alonso, D., & **Çoban, E.** (2024). Computational Thinking Measurement of CS University Students. In *Applied Sciences* (Vol. 14, Issue 12, p. 5261). MDPI AG. <https://doi.org/10.3390/app14125261> 

Gendarmerie and Disaster Management in 30 Questions

2023

Sevinç, S. & **Çoban, E.**, Jandarma ve Sahil Güvenlik Akademisi Yayınları

Extended Reality Technologies: Conceptual Framework and Use in Security

Nov 2022

Erdal, H., Arslan, Ş, & **Çoban, E.** (2022). Genişletilmiş Gerçeklik Teknolojileri: Kavramsal Çerçeve ve Güvenlik Alanında Kullanım. H. Erdal (Ed.), In *Genişletilmiş Gerçeklik Teknolojileri ve Güvenlik Uygulamaları* (1st ed., pp. 1-43). Kriter Yayınevi.

Bilgisayarca Düşünme Becerilerinin Ölçülmesinde Alternatif Bir Yaklaşım: Performans Tabanlı Ölçüm

Jun 2021

Çoban, E. and Korkmaz, Ö. (2021, June). Bilgisayarca Düşünme Becerilerinin Ölçülmesinde Alternatif Bir Yaklaşım: Performans Tabanlı Ölçüm. İ. Önder (Ed.), In *ERPA 2021 International Congresses on Education* (p. 60). Sakarya.

An alternative approach for measuring computational thinking: Performance-based platform

2021

Çoban, E., & Korkmaz, Ö. (2021). An alternative approach for measuring computational thinking: Performance-based platform. *Thinking Skills and Creativity*, 42, 100929. <https://doi.org/10.1016/j.tsc.2021.100929>

Technological Formation Scale for Teachers (TFS): Development and Validation

2020

Erdoğan, C., **Çoban, E.**, Korkmaz, Ö., & Özden, M. Y. (2020). Technological Formation Scale for Teachers (TFS): Development and Validation. *Participatory Educational Research*, 8(2), 260-279. <https://doi.org/10.17275/per.21.39.8.2>

Attitudes of IT teacher candidates towards computer programming and their self-efficacy and opinions regarding to block-based programming

2020

Çoban, E., Korkmaz, Ö., Çakır, R. et al. Attitudes of IT teacher candidates towards computer programming and their self-efficacy and opinions regarding to block-based programming. *Educ Inf Technol* 25, 4097–4114 (2020). <https://doi.org/10.1007/s10639-020-10164-w>

Technological Formation Levels of Teachers and Teacher Candidates

Oct 2019

Erdoğan, C., **Çoban, E.** ve Korkmaz, Ö. (2019, October). Technological Formation Levels of Teachers and Teacher Candidates. Ş. Şentürk (Ed.), In *Ondokuz Mayıs University International 100th Year Education Symposium* (s. 90). Samsun: Ondokuz Mayıs University. <http://u100es.omu.edu.tr/>

SOME PROJECTS

Randevum.co

A SaaS project where professionals such as doctors and psychologists can create their own personal profiles, schedule online appointments, and manage their guests.

- Next.js
- Supabase

Caption Meow

Social Network

An open-source social network that provides a daily creative challenge for cat lovers to come up with witty captions for cat photos while competing with other users.

- JavaScript
- React
 - React Router
 - React Firebase Hooks
- Vite
- Firebase
 - Authentication
 - Cloud Firestore

Twitter Note

Chrome Extension

It is an open-source MIT-licensed Chrome and Brave browser extension that helps you to take notes about the people who you blocked, or muted.

- JavaScript
- chrome.storage API

Turkish Dictionary

Web Application

Türkçe Sözlük ("The Turkish Dictionary") is a digital platform that displays the meanings, properties, and usage of words in example sentences. The data source for the words included in the platform is sozluk.gov.tr.

- JavaScript
- React
 - React Router
- Vite
- JSON

More

Please, visit it: emre.run, emrecoban.github.io, and github.com/emrecoban.

TEACHING

Information and Communication Technology

Associate Degree, 2 hours

Mobile Programming

Associate Degree, 3 hours

Web Project Management

Associate Degree, 2 hours

Server Operating Systems

Associate Degree, 2 hours

The fundamentals of Programming

Associate Degree, 4 hours

System Analysis and Design

Associate Degree, 2 hours

Object-oriented Programming

Associate Degree, 4 hours

Health Information Systems

Associate Degree, 4 hours

Software Installing and Management

Associate Degree, 2 hours

Open-source Operating Systems

Associate Degree, 2 hours