

# Furkan Emiroglu

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## Education

### DOKUZ EYLUL UNIVERSITY

#### STRUCTURAL ENGINEERING

📅 2021 📍 Izmir, TR

- Thesis on Structural Analysis
- Computer Aided Simulations
- Numerical Analysis
- Optimization Methods

## Familiar Concepts

Command Pattern

Object Pooling

Factory Pattern

State Machines

Singleton Pattern

Scriptable Objects

Data Structures and Algorithm

Reinforcement Learning (ML-Agents)

## Courses

Machine Learning

Deep Learning Specialization

Reinforcement Learning

Specialization

Python Programming

C Programming for Game

Development Specialization

Intermediate OOP for Unity Games

## Skills

### PROGRAMMING

Python • CSharp • Matlab • Swift •

### MISCELLANEOUS

Linux • MacOS •  $\text{\LaTeX}$  • Microsoft Office

• PlasticSCM • Git

## Hobbies

### PROFESSIONAL

Swimming

### AMATEUR

Electric Guitar

Power Lifting

## Experience

### GAME DEVELOPER

#### TWENTY GAMES

📅 May 2022 – ...

📍 Ankara, METU TechnoPark

- Development of game prototypes using Unity Engine in a fast and agile environment
- Practicing OOP and Game Design Patterns
- Prioritizing quality over speed in terms of software architecture
- Creating basic editor tools
- Optimizing games for compatibility with mobile platforms
- Contributing to ideation meetings

### GAME DEVELOPER INTERN

#### VERCIAL GAMES

📅 Apr 2022 – May 2022

📍 Istanbul, Kadikoy

- Developing hypercasual prototypes and practicing OOP fundamentals
- Learning and studying design patterns

## Published Games

### APP STORE

- Wreck Off
- Level Up Crowd
- Connect Money

### PLAY STORE

- Match People: Puzzle (Created this game during Learn Unity in 10 days challenge)

## Projects

### UNITY ARMY FORMATIONS

I have used many types of formation systems (like in RTS Games) in my games before. Developed a few tools to easily implement formations to different systems. You can see one of them here. Click for Repo.

### METEOROLOGICAL DATA ANALYSIS TO DETERMINE PROFITABLE WINDMILL LOCATIONS

#### DOKUZ EYLUL UNIVERSITY

📅 2021

📍 Izmir, TR

At the request of a dear teacher, I developed an algorithm that analyzes the meteorological data obtained as CSV, extracts meaningful graphs from these data, and investigates whether establishing a windmill in the region is a profitable choice. Click for Repo.

### AUTOMATION OF WATER SUPPLY AND SAWAGE SYSTEM CALCULATIONS

#### DOKUZ EYLUL UNIVERSITY

📅 2020

📍 Izmir, TR

A project under the Dokuz Eylul University to calculate requirements of materials to be used in water supply and sawage systems. Click for Repo.