

# ALI GUZELYEL

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## EDUCATION

Illinois Institute of Technology, Chicago, IL | GPA: 3.95/4.0

Aug 2019 – May 2023

B.S. in Computer Science

- **Relevant Courses:** Data Mining, Database Org, Data Structures, Algorithms, Intro to AI, Stats Analysis in Fin Mkts, Functional Prog, Object Oriented Prog, Calculus, Differential Eq, Linear Algebra, Probability & Statistics
- **Clubs:** Association for Computing Machinery (ACM), Machine Learning at IIT (ML@IIT), MSA

## KEY SKILLS

- **Languages:** Python, Java, SQL, R, OCaml, MongoDB, HTML, CSS, JavaScript
- **Tools, Libraries:** VS Code, Jupyter, Eclipse, GitHub, OpenCV, NumPy, Pandas

## WORK EXPERIENCE

Illinois Institute of Technology – Teaching Assistant

Aug 2021 – Dec 2021

- Help professors deliver content effectively for Object Oriented Programming through TDD concepts.
- Hold office hours, lab sessions, and grade assignments to analyze and help with student performance.

Keystone Kids Academy Weekend School

**Principal**

Sep 2021 – present

- Hold weekly department meetings with head teachers to collect reports and communicate with 100 parents.
- Prepare registration forms, hire teachers, budgeting, cooperate with administration, plan teacher seminars.

**Head Teacher**

Jan 2021 – Sep 2021

- Held weekly meetings with 9 teachers to prepare lesson plans, curriculum, and teaching material.
- Monitored class progress, shadowed 10 teaching interns, invited experts to give insights.

**Volunteer Teacher**

Sep 2019 – Jan 2021

- Taught Values Education, Turkish and Coding classes for K-5.

Sonsuz Design – Machine Learning SWE Intern

June 2021 – Aug 2021

- Created an app for a school to check in attendance via Face Recognition.
- Learned and successfully applied Machine Learning concepts with Python and OpenCV libraries.
- Prepared for daily meetings about new assignments, implementations, code review, and documentation.

Ozyegin University – Software Engineer Intern Team Lead (Virtual Reality)

June 2019

- Led the team to create a Virtual Reality game in Unity using C# and coordinated with design team.
- Overcame encountered problems through teamwork, successfully presented to the academic committee.

## PERSONAL PROJECTS

more in GitHub

Color Pattern Game – Browser Game (<https://color-pattern-game.glitch.me>)

April 2021

- Created a fun memory game using HTML, CSS, and JavaScript.
- Created a detailed GitHub repo and deployed on Glitch.com.

DemProfits – Demand-Profit Calculator for Finance

Aug 2020

- Created an app that computes best prices and amounts given Microeconomics equations using Java.
- Tested and confirmed that it works in real life problems up to  $x^{10}$  for complex polynomials.

Smart Home – Electronic Management System

May 2020

- Created an app that controls the smart appliances in houses as the project lead with Java.
- Successfully passed simulator tests to manage a city's electricity usage.

## ACTIVITIES

- Volunteer at Disaster and Emergency Management Presidency (AFAD) Dec 2017 – June 2020
- Guitarist & Concert Planner in SFL Music Band 2017 – 2020

Hackathons & Seminars: DemonHacks (DePaul), UncommonHacks (UChicago), Spark AI

2019 – 2021