


# ALI GUZELYEL

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## EDUCATION

### Illinois Institute of Technology, Chicago, IL

M.S. in Artificial Intelligence – GPA: 4.0/4.0

Jan 2022 – Dec 2023

B.S. in Computer Science – GPA: 3.93/4.0

Aug 2019 – Dec 2023

**Relevant Courses:** Algorithms, Data Structures, Database Organization, Data Mining, Systems Programming, Operating Systems, Object Oriented Programming, Calculus, Probability, Statistics, Linear Algebra, Differential Equations, Intro to AI, NLP, Statistical Analysis of Financial Markets, Software Engineering (Agile), Global Software Development

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## WORK EXPERIENCE

### Strata Decision Technology – Software Engineer Intern

June 2022 – Aug 2022

- Restructured a legacy Idea Center application to a Microservice and deployed on AWS.
- Developed using C# and React JS on .Net Core Framework and PostgreSQL.
- Collaborated in a Scrum team to deliver compact production code in an Agile environment.
- Implemented new features, debugged, made API calls, and migrated 10K+ data points.
- Presented final product to other teams and departments and received numerous positive feedback.

### Sonsuz Design – Machine Learning SWE Intern

June 2021 – Aug 2021

- Engineered an app for a school to check in attendance via Face Recognition.
- Learned and 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

June 2019

- Led a team of 5 and coordinated with the design team to code a Virtual Reality game in Unity using C#.
- Overcame challenges through teamwork, successfully demonstrated to the academic committee.

### Additional Experience:

Keystone Kids Academy – President | Head Teacher | Teacher (Values Education, Coding)

Sep 2019 – June 2022

Illinois Institute of Technology – Teaching Assistant (Java - OOP)

Aug 2021 – Dec 2021

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## KEY SKILLS

**Languages:** Python, Java, C#, C, React JS, SQL, R, OCaml, HTML, CSS, JavaScript

**Tools, Libraries:** Visual Studio, .NET Core, Entity Framework, Jupyter, Vim, GitHub, PostgreSQL

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## PERSONAL PROJECTS

on GitHub

### Textbook Exchange – Global Software Development

Aug 2022 - present

- Creating a textbook exchange website and implementing Agile methods using Python, Django, and MySQL.
- Collaborating remotely around the globe, designing and planning user stories, utilizing GitHub and Kanban.

### 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 satisfaction requirements for complex polynomials in real life cases.

### Smart Home – Electronic Management System

May 2020

- Developed 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.

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## ACTIVITIES

- Guitarist & Concert Planner in SFL Music Band

Sep 2017 – present

- Volunteer at Disaster and Emergency Management Presidency (AFAD)

Dec 2017 – June 2020

**Clubs:** Association for Computing Machinery (ACM), Machine Learning at IIT (ML@IIT)

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