



# Nida Korsan

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## Projects

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- 06/2021 – 09/2021 **Augmenting the book "Architectural Spies: JAPAN"** [🔗](#)  
Initially, I created a Game Design Document for this project, later as lead developer, I implemented translation and augmented visualization aspects of the application.
- 02/2021 – 06/2021 **GPU Optimized DL-Based Point Cloud Meshing** [🔗](#)  
In this project, I studied to develop a deep-learning based water-tight surface fitting algorithm. The purpose of the algorithm is to fit a mesh system for the point cloud data in the local environment. GPU optimization is deemed necessary for online operations on the tablet.
- 10/2020 – 01/2021 **AR Based Messaging System (Notes Hub AR)** [🔗](#)  
In this project with the help of ARCore, I developed an AR-based messaging system that will be used indoors via mobile devices. These messages can be in different media types such as text, images, or 3D models.
- 08/2018 – 06/2019 **US CanSat Competition, Flight Software Crew Member** [🔗](#)  
Designing a model satellite for specified requirements. I was responsible for telemetry (using XBEE radios) and flight software design (developed in C++).

## Languages

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Turkish (Native)	English C1 / TOEFL-2016 (78/120)	German A1
Russian A2	Bulgarian A1	

## Organisations

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GTU Computer Science and Engineering Department,  
C Programming Laboratory Assistant (2018), Introduction to CSE Programming Laboratory Assistant (2019)

## Education

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- 2017 – 2021 **Gebze Technical University, Computer Science and Engineering** [🔗](#)  
Current GPA : 3.32 / 4.0
- 2013 – 2017 **Prof. Dr. Fuat Sezgin Science High School**  
GPA : 95.47/100

## Skills

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**Well-versed in Programming Languages** (including Assembly(x86), C, C++(14), C#, Java(15), Python(3.8), Common Lisp, Verilog, HTML, CSS, JavaScript and more.)

Unity (Developed AR apps and mini-games)

Teensy 3.6 (I used this component for CanSat project with various sensors integration.)

XBee Telemetry (Communication via XBee radios.)

Web Development (Web application project development during OBSS internship)

Blender (Used this software in my internship, graduation projects and personal projects)

## Certificates

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Introduction to Augmented Reality and ARCore (Google AR & VR Issuing Organization: Coursera)

## Professional Experience

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- 06/2021 – 09/2021 **Architectural Spies Ltd., Erasmus+ Intern** [🔗](#)  
Varna, Bulgaria  
Lead developer of an augmented book project application. I worked on the design report and development of the AR application.
- 08/2020 – 09/2020 **OBSS Teknoloji A.Ş., Summer Intern**  
Istanbul, Turkey  
Web application development project according to specified requirements. I used Java and Spring framework for back-end; React for front-end.