

# Yiğit Yılmaz

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Highly-motivated junior software engineer and student with an in-depth knowledge of web development and deep learning. Strong foundational skills in computer science topics such as algorithms, data structures, and computer networks. Proficient in variety of platforms and programming languages with an innate ability to learn and master new technologies.

## INTERESTS

- Fullstack Web and Systems-level Programming
- Linux/Unix-like Systems
- ML & Deep Learning

## Experience

January, 2022  
July, 2022

[Johnson Controls International](#), Cork, Ireland

### Software Developer Intern

Developed an enterprise-grade chatbot that uses natural language processing (NLP) to understand questions intelligently. Uses user feedback system to discover potential improvements and logs conversations to deliver insights.

June, 2021  
August, 2021

[Adastec](#), Istanbul, Turkey

### Software Engineer Intern

Worked together with the perception team. Created a service that purifies and classifies a raw LiDAR sensor data stream and calibrates it with a point cloud map. This allows the autonomous driving system to understand where it currently is and what's objects are around it.

## Projects

### Claw.js

A GPU accelerated linear algebra library for Node.js.

*C, OpenCL, JavaScript*

[github.com/tussoftwaredesign/claw-js/tree/dev](https://github.com/tussoftwaredesign/claw-js/tree/dev)

### MNIST Neural Network REST API

The neural network is implemented completely from scratch without using external libraries.

*TypeScript, Express.js, Node.js*

[github.com/yvesyil/neural-net-api](https://github.com/yvesyil/neural-net-api)

### Personal Website

Uses custom JavaScript framework I made and renders complex graphics using WebGL.

*Modern JavaScript, WebGL (OpenGL ES 2.0), HTML/CSS, GLSL 1.x*

[github.com/yvesyil/yvesyil.github.io](https://github.com/yvesyil/yvesyil.github.io)

## Education

2021 – 2023

[Technological University of the Shannon](#), Athlone, Ireland

**Software Engineering**, B.S.

3.7/4.0 GPA

2019 – 2021

[Bilkent University](#), Ankara, Turkey

**Software Engineering**, B.S.

3.2/4.0 GPA