

Nordin Belkacemi

✉ belkaceminordin@gmail.com

🏠 Budapest, Hungary

☎ +36-70-677-7611

🌐 nordinbelkacemi.github.io/resume

I am a recent computer engineering graduate, and current Deep Learning Engineer intern at Continental Automotive Hungary Kft. I speak fluent Hungarian, English, French and know a little bit of German. My main interests are in the field of AI, Deep Learning and Computer Vision. The Bachelor's thesis project I chose was a research topic proposed by Continental Automotive and involved implementing an object detection model (YOLOv4/v5) from scratch, then investigating the potential benefits of Multi-task learning, where the different tasks were to detect subsets of object classes separately.

🎓 Education

Budapest University of Technology and Economics (BME) (2019-2023)
Computer Engineering BSc.

Coding Bootcamp in Montreal (Summer 2018)
Full Stack Web Development in Ruby on Rails

American International School of Budapest (2012-2015)
High School and IB Diploma

🧰 Work Experience

Deep Learning Engineer Intern at Continental Automotive Hungary Kft. (2022 - Present)
Part of a team that develops tools to train and evaluate neural networks for object detection and semantic segmentation.

University teaching assistant at BME (2020 Fall semester)
I answered students' questions about assignments and graded final projects (basics of programming in C).

Web development freelancing (2020 - present)
I built a website using the Ruby on Rails framework and deployed it on Heroku. I perform small database cleanups, maintenance and add features at my client's request about once a year.

Ind-App Kft. (Summer 2018)
Owner of the company. Provided technical support to employees.

Math tutoring (2017 - 2020)
I taught mostly 11th and 12th grade students preparing for their IB exams.

🔧 Tools and Skills

- Ruby, Ruby on Rails
- C
- Python, NumPy, PyTorch
- C++
- Java
- HTML, CSS, Sass, JavaScript
- Android development, Kotlin
- Flutter
- C#, .NET, SQL, T-SQL (and other data-driven systems tools)

🔗 Notable Projects (See more at nordinbelkacemi.github.io/resume)

Compression Engine

Written in C, it compresses text files using Huffman coding and produces a visual graph of the Huffman table.

Multitask YOLO

Thesis project. I implemented an object detection model (YOLOv4/v5) from scratch, then investigated the potential benefits of Multi-task learning, where the different tasks were to detect subsets of object classes separately.

Dzsuzz

A website that I built with Ruby on Rails for a client who needed to keep track of the exact amount of each ingredient needed to make juices and keep up with incoming orders.

Hobbies

- Music: I have been producing music for 9 years and I enjoy learning about the craft of recording engineers.
- Sports: Before high school, I played basketball at Vasas Sport Akadémia, then later joined the Budapest Bulls organization. Due to injuries and the start of my university studies, I couldn't keep competing but I still play from time to time.