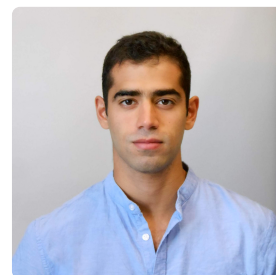


Najib Ghadri

SOFTWARE ENGINEER

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Skills

- Languages** Java, JavaScript, Python, C/C++
- Machine learning** Computer vision, Convolutional Neural Networks, Scene Understanding
Frameworks : OpenCV, Tensorflow, PyTorch, Python tools (numpy, jupyter, pandas)
- App and web dev** Node.js, Express, Koa, React JS, Android, Flutter framework, SQL, PostgreSQL, NoSQL, Redis
- Others** Git, Linux, Docker, AWS VM management, Blockchain technologies, CMake, Carla (Driving) Simulator, GPU programming, CUDA/OpenCL
- Spoken languages** Hungarian (native), English (fluent), Arabic (native), Spanish (intermediate)

Education

Budapest University of Technology and Economics

MASTER OF SCIENCE IN COMPUTER SCIENCE — 2018 - 2020

- Thesis in Computer Vision: Scene Understanding with Energy-based models based on CNN synergy and stereo imaging
- Universitat Politècnica de València, Valencia, Spain — *Erasmus on 2019 Spring*

Budapest University of Technology and Economics

BACHELOR OF SCIENCE IN COMPUTER SCIENCE — 2014 - 2018

- Software Engineering and Development

Projects

QuaranTime.io

[HTTPS://QUARANTIME.IO](https://quarantime.io)

2020 April - May

- QuaranTime.io is a face-time gaming site I built myself where you can play Activity with your friends on videochat! The site is built with a node backend and React.js frontend, hosted on AWS. Check it out: <https://quarantime.io/>

Driving Scene Understanding int Simulation with Stereo RGB imaging and CNN synergy

[HTTPS://NAJIBGHADRI.COM/MSc-THESIS](https://najibghadri.com/msc-thesis)

2020 February - May

- In my MSc. thesis work I used modern CNNs such as Mask R-CNN to perform object detection and instance segmentation, and additional feature detections with classical methods to achieve lane detection such as Hough transform and perform object tracking while performing distance estimation using stereo imaging. With the output of these I perform the detection. The result 3D visualization can be seen at: <https://najibghadri.com/msc-thesis/>

Gambjo

Budapest

GAMBJO.COM

STARTUP INITATION

2019 September - ongoing

- Gambjo is a social network application with the goal of boosting real social interactions by making it easy to organize and discover events around you and communicate with people who want to go out and have fun. We participated in the Hiventures Startup Campus incubator program without success, yet.

Next Web

[HTTPS://NAJIBGHADRI.COM/NEXT-WEB/](https://najibghadri.com/next-web/)

2019

- In this research I discuss possibilities of improving the world wide web such as decentralization of central authorities (like DNS and CAs) and validity, security of information and digital identity through distributed ledger technologies and Self-Sovereign Identity, linked-data and interoperability of web, mobile and desktop applications.

Experience

Morgan Stanley

SOFTWARE ENGINEER

Budapest

2018 Mar. - Aug.

- In an agile development team of 7, I worked on an internal web portal that helped the job of traders at Morgan Stanley. My work included database design and management, Java Spring-based server development, front-end web development.
- Took part in Global Volunteer Month where I taught elementary school students coding during the BME Kid's University

Argonsoft

SOFTWARE ENGINEER INTERN

Budapest

2017 June. - Aug.

- Worked on a web portal's Java backend