Alon Barenboim

Brosh 20a, Nof Hagalil **|** +972-58-789-7938  **|** alonilk2@gmail.com **|** Linkedin.com/in/alonilk2

**Portfolio Website:** [**www.AlonDev.com**](http://www.alondev.com/)

Highly Motivated recent graduate Software Engineer and Freelance Full Stack Developer with 2+ years of experience in End-to-End development of web and mobile applications and APIs. A passionate programmer, with great interpersonal skills and self-learning capabilities, and a problem solver who's eager to prove his value and expand his knowledge and skill set in your company.

# **Skills**

* **Programming Languages:** Java, Python, C and C++, in both Windows and Linux environments.
* **Front End**: React.js, Redux, React Native, JavaScript ES6+, TypeScript, Git, Github, Bootstrap, Material UI, HTML5, CSS3
* **Back End**: Node.js, Express.js, Spring Framework, Spring Boot, Hibernate, PostgreSQL, MySQL, MongoDB, Sequelize, AWS S3, Google Cloud Service (GCP)

# **Machine Learning & AI**: PyTorch, Tensorflow, YOLO, Detectron2

# **Experience**

## **Freelance Full Stack Engineer | June 2020 – Current**

* Developed and designed complex front end UI applications in JS libraries such as React.js, React Native, Redux, Material UI
* Developed server-side applications in Node.js, Java Spring, Express.js, PostgreSQL and MySQL
* Experienced in developing, testing, deploying and supporting software in a production environment
* Hands on experience in developing API integrations and RESTful APIs
* Experienced in Object Oriented Programming (OOP), as well as functional programming concepts
* Deployed web applications and servers to Virtual Machines (VMs), Google Cloud Platform (GCP)
* Created mobile React Native application, integrated AdMob and Meta's Audience Network monetization, and deployed to Play store

**Education**

## **B.Sc. Software Engineer | Ort Braude College, Karmiel | October, 2017 – February, 2022**

* GPA: 82

**Final project - Incendiary balloons real time detection and liquidation with drone:**

* + Experienced with deep learning frameworks such as PyTorch, Tensorflow
  + Experience programming in C++ and Python in a Linux environment
  + Implemented and integrated a YOLO object detection algorithm with a camera drone and microcontroller in order to track and destroy incendiary balloons in real time.
  + Improved inference speed achieved by previous group of students by more than 400%
  + Programmed, wired, tested and integrated Arduino boards with various components

## **Systems Design and Development | Ort Moshe Sharet, Nof Hagalil | September, 2011 – November, 2013**

* Technical Certificate | Ministry of Education, Israel
* Certificate of Excellence | June, 2011 - Rafael ADS Ltd.
* Certificate of Excellence | July, 2013 - Rafael ADS Ltd.

# **Languages**

* Hebrew (Native)
* English (Professional working proficiency)

# **Military Service**

Full Service, Israeli Air Force | 2014 - 2017