

# ABDULLAH MINIATO FANNOUNI

Computer Engineer

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## PERSONAL DETAILS

Beirut  
abdfannouni@gmail.com, +961 70 503080  
Date of birth: September 23, 2003

## PROFILE

Passionate Computer and Robotics Engineer, proficient Python Developer with one year of professional experience. I am enthusiastic about collaborating with like-minded professionals, tackling new challenges, and contributing fresh perspectives to the world of robotics.

## EDUCATION

**Bachelor of Science – BS in Computer Engineering**  
Lebanese International University

Oct 2021 – Jun 2024

## EMPLOYMENT

**Robotics Engineer**  
World of Business

2023 – 2024

My journey in robotics has been a rewarding exploration into the realms of Arduinos, Servo Controllers, Raspberry Pi, machine learning, computer vision projects and neural networks using many libraries such as pytorch, tensorflow, langchain and more

**Internship Trainee**  
OGERO, Lebanon · On-site

Nov 2023 – Dec 2023

Internship in communication engineering. Through learning the infrastructure of networks and network layers. In addition, in field demonstration of connecting networks

## PROJECTS

**HighHive Project**

Apr 2024 – Present

Wireless wearable glove for visually impaired individuals, Registers hand gestures to:

- Automate and control their homes
- Aid in navigation and obstacle avoidance
- Enhance spatial awareness by detecting human movement
- Provides haptic feedback through different vibration modes

**Tools and Frameworks:**

- Arduino Uno/Nano
- Orange Pi/Raspberry Pi
- Linux

- C++
- Python Serial/Requests/Flask Libraries
- PCB Design (Sensors (flex, ultrasonic, PIR etc...))

### Small Robot

2023 - 2024

Small robot for children to assist with learning and completing school assignments

#### Tools and Frameworks:

- Banana Pi
- Linux Armbian OS (Ubuntu)
- Text-to-Speech and Speech-to-Text libraries
- Lang Chain library (Chatbot) self improving
- ChatGPT APIs
- Python GPIO library

### Human Size Robot

2023 - 2024

Fully functional robot built using Python, integrating computer vision, OpenCV, and machine learning projects

#### Tools and Frameworks:

- Color detection
- Gender detection
- Mood detection
- Object Detection (Yolo's library)
- OpenCV
- ChatGPT APIs
- Custom face detection model using my own datasets
- Chatbot, Multiprocessing/Multithreading,
- Hardware analysis, fixing, and building (e.g., hands, installing wheels)
- Servo Controllers/ Arduinos/ H bridges etc..

### Time Management Application

Present

I am building a time management app using Flutter. The app allows users to communicate with professionals who are also logged in. These professionals study the users' cases and manage their time effectively to improve their lives.

## SKILLS

Flutter (Dart)

C++

Communication Skills

Linux (Ubuntu, Armbian)

Circuit Design / Soldering

Machine Learning (My own Face Detection Model using my own DataSets)

Web Development (HTML, CSS, JavaScript and PHP)

Python (Flask, Serial Communication (Arduinos , Servo Controller), APIs)

Problem Solving / Debugging

Robotics

Raspberry Pi

Computer Vision (color, gender and mood detection)

Laravel

Flask

## CERTIFICATES

**Scientific Center for Manufacturing and Production**  
Certificate of Participating and Idea Acceptance

Jan 2023

**Problem Solving (Basic)**  
HackerRank Certificate

**Python(Basic)**  
HackerRank Certificate

## LANGUAGES

English

Arabic