

MOHAMMAD DANDASH

MASTER 2-ROBOTICS & ARTIFICIAL INTELLIGENCE

Experience

MASTER PROJECT

This project is a collaboration between the Lebanese University and Tarbes University. The objective is to model and control a parallel robot devoted to Human-robot interaction which will be used to act as a physical therapist or some tools for rehabilitation.

HARDWARE PROJECTS

- Agriculture robot that plants seedlings automatically in soil.
- lifting safety-controlled machine.
- Arduino projects.

SOFTWARE PROJECTS

- Solving Java problems (algorithms and data structures) in Leetcode website.
- making website template using Html,Css and Javascript.
- Model based fault detection using unknown input observer.
- Passive Fault-Tolerant Control using robust model free control.
- Accident avoidance using Markov processes.
- Combination of neural network and ant colony optimization algorithms for prediction and optimization of flyrock and back break induced by blasting.
- HVAC project: cooling load and heat load for a house (manual calculation and using design builder software).
- Composite project: .replacing steel beam of a heavy canopy by a composite material beam .calculations of deformation and failure +comparison between the steel and the composite material beam cases.
- Acoustic project: design of company, theatre.

Education

UNIVERSITY

2016-2021

5th year in mechanical engineer in Lebanese University-Hadath

MASTER 2-ROBOTICS

2021

incorporated master between Lebanese University-Hadath and Compiègne University of Technology-France

Personal information

Name

Mohammad Ali Dandash

Birthdate

27-7-1998

Gender

Male

Residence

Bierut

Nationality

Lebanese

Skills

Computer Skills

Microsoft Office
Matlab & Simulink
Ansys
Design Builder
Latex



Computer Languages

C
Java
Html
Javascript
ROS



Hardware Skills

Arduino
Raspberry Pi



Languages

Arabic : Native

English: Full

French: Weak

Contact

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Referees

Bilal Komati

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Micky Rakotondrabe

Full Professor, ENIT (National School of Engineering in Tarbes)
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Mohammed Ali Dandash

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Objective

To obtain a position as a developer in a fast-paced organization where technical skills, creative and optimal thinking are useful to expand my learnings, knowledge, and skills. Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company. A highly motivated graduate seeking to get a position in a reputed company

Skills

- SQL
 - REST
 - Servlet
 - Json
 - Data Processing
 - Hibernate
 - Html
 - Api
 - Spring
 - C++
 - Artificial Intelligence
 - AOP
 - Java
 - JSP
 - Thymeleaf
 - C
 - Angular
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Experience

Java

- Solid analytical and problem resolution skills
- Leetcode algorithm problem solver
- Hands on application developer with extensive development experience in building and supporting J2EE based web services using both SOAP and REST
- Extensive hands-on experience in development/ deployment/ integration
- Develop application program logic from customer-defined specifications
- Design, develop, code, test, debug, document and install programs
- Learn about our clients' businesses to provide the best solutions
- Solid CS fundamentals: OOP, data structures, design patterns, etc
- Translate functional specifications into logical, component-based technical designs, and estimate the level of effort to implement your design

Spring Framework

- Excellent knowledge on Spring Core such as **Dependency Injection**, **Annotations** and XML based **Configurations**.
 - Hands-on experience with **Spring AOP** using **Advice**, **Aspects** and **AOP Processor**.
 - Strong experience using **MAVEN** Build System.
 - Extensively worked on Spring JDBC, Spring Hibernate ORM and JPA
 - Web CRUD Application with security and roles using **SpringBoot**, **SpringSecurity**, **SpringRest**, **SpringData JPA** And **Thymeleaf**
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Education

Diplome in Mechanical Engineer

Lebanese University
01/2021

Masters in Robotics and Artificial Intelligence

Université de Technologie de Compiègne

01/2021

Languages

- English
- Arabic