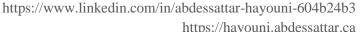
Abdessattar.hayouni@gmail.com

https://github.com/hayouni15







Abdessattar Hayouni

Objective - Seeking an internship in software engineering or embedded systems engineering which offers key participation, team-oriented tasks, immediate challenges, and career opportunity.

Professional Attributes

- Fast learner with strong desire to master new concepts and technologies.
- Have interest in crafting efficient and scalable modern software solutions.
- Exceptional interpersonal and collaboration skills
- Excellent written and verbal communication in English and French.
- Strong capacity to work under stress and time constraint.

Skills

- Java
- HTML, CSS, JavaScript, php
- SQL
- **MATLAB**
- C++, C#

- Object oriented design
- Agent oriented design
- Version Control (Git)
- Strong leadership and management background
- U.S Military Service Academy Graduate

Education

Master of science with specialization in Software Engineering

University of Calgary. 2018-Present

Calgary, AB, Canada

Bachelor of Science in Electrical Engineering

United States Naval Academy. 2011-2015

Annapolis, MD, USA

Experience

Software Engineer

The Naval Electronics Division / Tunisian Navy 05/2015 - 01/2018

- Developing a Tracking Software using TLD algorithm to enhance weapon systems by adding the capacity of auto aiming (.Net/C#,DSP)
- Designing a smart ship engine surveillance system where Temperature and pressure are collected from the engine sensors using an Arduino board and communicated via TCP/IP connection to a web App that ensures treating and displaying the data. (C++, Node-Red, JavaScript, SQL)
- Developing a Stock management software. (SQL,.Net/C#)

- Developing a Technical reports and messaging software to support Mechanical engineers on warships. (SQL, .Net/C#)
- Developing a Department Administration tool "DENAT" (Web App).

Research Assistant

University of Calgary

 Working on developing a tracking and optimization algorithm that reduces the tracking mean squared error using Bayesian (Kalman filter Algorithm) approach and machine learning theories with application on cognitive radars.

Teaching Assistant

University of Calgary
05/2018 - Present

ENGG 233- Computing for Engineers: Introduction to object-based programming.

Projects

- Personal/Freelancing
 - Developed an Import Export Software for a local company in Tunisia (Web App)
 - o Developing a website that matches mechanics in Canada with Costumers carbuddy.ca
 - Used the PCA (Principle Components Analysis) Algorithm for facial recognition to develop a punch clock software. (C#)

Academic

- Developed an agent-based software to ensure the communication between different Repair shops (Java, Jade)
- Create a Cognitive radar Simulator in a tracking scenario (MATLAB)

Interests

Playing Soccer, Cycling, Health and wellness,

Volunteering

- o IEE Canada events organization
- Calgary Seniors Resource Society: volunteering to help seniors in Calgary through the many programs offered by Calgary senior's organization.

Languages English (Fluent) - French (Native) - Arabic (Native)

References Dr. Henry Leung: He is my current Supervisor at the University of Calgary leungh@ucalgary.ca

^{*}Additional references can be provided upon request