

Abdessattar Hayouni

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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

❖ Engineer at Design office

The Naval Electronics Division / Tunisian Navy

05/2015 – 01/2018

- Developed a Tracking Software using TLD algorithm to enhance weapon systems by adding the capacity of auto aiming (.Net/C#,DSP)
- Designed 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)
- Developed a Stock management software. (SQL,.Net/C#)

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

❖ Research Assistant

University of Calgary

05/2018 – Present

- 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)
- Developing a website that matches mechanics in Canada with Customers 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 , Hiking ,Health and wellness,

Volunteering

- IEEE Southern Alberta
- 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

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*Additional references can be provided upon request