

# SALMAN HUSSAIN

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## CAREER OBJECTIVE

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Seeking an entry level engineering position in robotics, artificial intelligence, embedded systems, and software development.

## EDUCATION

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### University of Hartford

Expected 2020

· Bachelors of Computer Engineering

Double Major: B.S Computer Engineering, B.S Computer Science

### Courses

Introduction to Robotics, Advanced Robotics, Sensors and Data Acquisitions, Intro to Artificial Intelligence, Microprocessor Applications, Computer Architecture, Data Structures, Circuit Analysis II, Electronics Fundamentals, Digital Design using CPLDS, Differential Equations, Linear Algebra, Physics II

### Achievements

First place winner of Connecticut Tech Challenge hosted by  
Connecticut Council of Technology

Nov 2017

## SPECIALIZED SKILLS

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### Computer Languages Software

C/C++, Java, Python, MATLAB, VHDL, Verilog  
ROS, Intel Quartus, Xilinx: ISE Design Suite, PSPICE, Open CM

## EXPERIENCE

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### Child Care Mobile Robot

Oct 2018 - Current

- Lead software engineer tasked to handle motor control. Using an arduino as a micro-controller for pulse width modulation.
- Tasked to assist electrical engineers with sensor design, sensor implementation and power control.

### Humanoid Driving Car

Sept 2018 - Current

- Project is under the University of Hartford robotics team to develop a humanoid to drive a car for disaster relief purposes.
- Tasked to handle motor controls for the open loop control system of the humanoid using the information send by the open loop. The controller is self will be the openCM software.

### Water Filtration System

Jan 2018 - May 2018

- This is an interdisciplinary project that consists of multiple engineering disciplinary to research and develop a product that can assist third world countries. Tasked to be the project leader.
- Making sure that the team stays on track with deadlines.
- Lead software and electrical engineer. The specific task was to design and implement a circuit that can control two variable motors independently using an arduino. The circuit was created using PSPICE.