

DAVID MARTINEZ

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(US Citizen)

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OBJECTIVE

Seeking opportunity to work as entry level or co-op to utilize skills develop through my studies at the University

EDUCATION

University of Houston
Pursuing Bachelor of Science, Computer Science
Pursuing Bachelor of Science, Mechanical Engineering Technology
Overall GPA: 3.012

May 2017

TECHNICAL SKILLS

- Programming Languages: Java, C++, Robot C
- Software: MS Word, Excel, PowerPoint, Matlab
- Hardware: Experienced in developing robots for VEX, Lego League, and FIRST robotics competitions based on specifications of game design.

Relevant Courses: Data Structures, Computer Organization, Computer Architecture, Dynamics, Thermodynamics, Fluid Mechanics, Strength of Materials, Computing for Engineers, Engineering Math

PROJECTS

Senior Design Capstone Project

- Lead a team of 5 on the logistics, scheduling and execution of designing an underwater ROV for the 2016 MATE Competition.
- Utilized C# slim dx libraries to allow the ROV to be controlled with an Xbox 360 controller.
- Utilized networking protocols to allow communications and control of the ROV via an Ethernet cable with the use of a router to receive signals from the main microcontroller and the cameras used on the ROV.

Robotics

- Developed Lego based robots and used time based sequential programming to maneuver the robot through obstacles utilizing Robot C to program and initialize sensors on the robot
- With the IEEE robotics club design simple mechanical systems such as a robotic lift, collector, drive train and any other systems needed for the competition (VEX).

Java/C++ Programming

- Developed object oriented programs utilizing data structures which emphasize on the efficiency of storing and organizing information
- Wrote programs utilizing file reading, sorting, searching, storing methods and creating UIs to allow users to manipulate their data at ease.

HONORS/ SCHOLARSHIPS

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| • Computer Science Scholarship | Fall 2016 – Spring 2017 |
| • Succeed in Engineering Technology Scholars (SETS) | Spring 2016 |
| • Hydrographic Society of America (THSOA) Scholarship | Spring 2016 |
| • Marine Technology Excellence Fund Scholarship | Fall 2015 |
| • MD Anderson YMCA Youth Scholarship | Spring 2012 |

EXPERIENCE

Customer Assistance - Fiesta Super Sports Club

January 2011 – 2016 (Annual)

- Instructed customers from many types of organizations for a three day period three times a year of the products changes and promotions Fiesta Super Sports Club offered and provide assistance when handling customers turn-ins

Assistant Desktop Technician - University of Houston Political Science Dept.

August 2015 – Present

- Assists faculty in installation, configuration, and ongoing usability of desktop computers, peripheral equipment while also maintaining the undergrad/grad lab equipment.