NABIL MOOSAJEE

4034 Highway 6 South
APT # 1901 713-873-1010
Houston, Texas, 77082 moosajeenabil@tamu.edu

EDUCATION

Texas A&M University, College Station, Texas expected May 2018
Computer Science, Undergraduate

SKILLS

Languages: English, Urdu, Gujarati
Programming Languages: Java- 1 year, C/C++ - 1 year, MySQL – 1 year, C# - 6 Months
Micro-controllers: Intel Edison – 1 year, Arduino – 3 years
Technology: Autodesk Inventor – 3 years, Azure – 2 years

EXPERIENCE

Texas A&M Utilities and Energy services | Student IT Technician August 2015 – current
-Provided hardware/software support to all the departments within Utilities and Energy Services consisting for of over 500 employees and 7 locations.
-Maintained servers and created Windows Deployment Services to remotely deploy OS for new devices.

PROJECTS

CODERED Hackathon | FYI
-Personal notification center designed to help display an overview of the day (meetings, weather, things to do news) on a 16x2 LED display connected to Arduino, made using JavaScript, Node.JS, CSS.
YHack Hackathon | Smart Alarm
-Made using Intel Edison and light sensors to detect physical presence to turn off alarm. Coded in JavaScript and C using Intel XDK.
Temperature Network
-a combination for Intel Edison and Particle Photon to measure temperature in rooms without thermostat and control the air went according to it.

ACTIVITIES

Shell Ocean Discovery XPRIZE Summer 2016 – current
Data Plotting and Satellite Communication Team
Designing an Autonomous Underwater Vehicle (AUV) to compete in the Shell Ocean Discovery XPRIZE®. Team will wirelessly transmit 3D scans and chemical analysis via satellite and create an interactive map. Data Plotting and Satellite Communication Team is responsible for:
- Satellite Communications (transmitting and receiving far outside of any cell-range)
- A bathymetric map of 500 km^2 of ocean floor
- Receiver side data processing, mapping and visualizing

TAMUVR Spring 2016 – current
Co-Founder/Treasurer
Organization for Virtual Realities geared towards learning and teaching students about the emerging technology of Virtual and Augmented reality.

TAMUHACK Fall 2014 – current
Hacker
- Compete in local and state Hackathons gaining experience of software and hardware programming.

IEEE Microcontroller Committee Fall 2014 – Spring 2015
Member
- Learned about using different types of microcontroller and started on team based projects
- Reverse engineering of computer hardware.