

# NABIL MOOSAJEE

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## EDUCATION

**Texas A&M University**, College Station, Texas  
Computer Science, Undergraduate

expected Spring 2018

## 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, Unix/Linus/Bash

## EXPERIENCE

**Texas A&M Utilities and Energy services | Student IT Technician**

August 2015 – current

-Provided hardware/software/network 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, using JavaScript, Node.JS, CSS and APIs.

**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 network programming including:

- Satellite Communications (transmitting and receiving far outside of any cell-range)
- A bathymetric map of 500 km<sup>2</sup> 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.