Alamin Ahmed

Status: **U.S. Citizen**

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**OBJECTIVE**

Seeking an Electrical/Computer Engineering **internship/co-op**.

**EDUCATION**

University of Houston, Houston, TX

Pursuing **Bachelor of Science in Electrical Engineering** Dec-2017

CGPA: **3.54**

**Relevant Courses:** Microprocessor Systems, Signals and Systems Analysis, Digital Logic Design, Microelectronics.

**PROJECTS**

**CNC Machine, Independent Project** Mar-2016—On Going

* Build the frame of a working CNC Machine (Working area of 10-inch by 11-inch) from scratch using wood and in the process of writing a friendly GUI program to write, carve, shape and design on a wood pallet.
* Using a Raspberry Pi as the brain and Python as the programing language.

**Cell Phone Detector, Team Project, University of Houston, Houston, TX** Mar-2016

* Built a RF Detector that will detect Cell Pone signal by using an op-amp, BJT transistor and some Capacitors and using a 555-timer, a buzzer and a LED to blink and make noise when a cell phone is detected.

**UART Serial Communication, University of Houston, Houston, TX** Dec-2015

* Programed amc9s12c32bit microcontroller in assembly language and in Cand used it to communicate via UART serial communication to a computer.

**RGB Night Light, Independent Project** Dec-2015

* Build a RGB tree with optical fiber and programed it using Arduinoto change color when dark using an ambient light sensor.

**Maze Solver with Zumo Bot, University of Houston, Houston, TX** Nov-2014

* Program a Zumo Robot in MATLAB to follow a line using the IR sensor and then solve a simple maze.

**SKILLS**

* **Programming:** C, C++, Java, Python, Arduino, MATLAB, Assembly Language, Mathematica
* **Software:** MS Office, MS Visual Studio, Freescale CodeWarrior, NI LabVIEW, Eclipse
* **Web Design:** HTML, Adobe Dreamweaver, Adobe Fireworks, Adobe Flash
* **Hardware:**  **Electronic components**—resistors, capacitors, inductors, diodes, potentiometers,

IC chips, voltmeters, logic gates, LCD display, servos, stepper motors, soldering station.

**Microcontrollers**—Arduino, Freescale HCS12, Raspberry Pi, Teensy

* **Multilingual:** English, Bangla, (Conversational Hindi)

**SEMINARS AND TRAINING**

* Houston Tech-Fest Sep-2016

**EXPERIENCE**

**Taco Bell** Jan-2013 – On Going

* Customer Service—Cashier

**AWARDS**

* Andy Pearson Scholarship 2014—2016

**ORGANIZATION**

* Institute of Electrical and Electronics Engineers (IEEE) 2014 – On Going