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 a mc9s12c 32bit microcontroller in assembly language and in C and 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 Arduino to 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