

ROBERT G. ENGLAND

802 Glen Hollow Dr.
Conroe, TX

+1 (936) 648-9233
rgengland@uh.edu

OBJECTIVE

To obtain a summer internship in Computer Engineering.

EDUCATION

UNIVERSITY OF HOUSTON

BACHELOR OF SCIENCE, COMPUTER ENGINEERING, MINOR IN COMPUTER SCIENCE, Expected Dec 2017

Overall GPA: 3.23 on a 4.0 scale

EXPERIENCE

UNIVERSITY OF HOUSTON, Houston, TX

2015—Current

WEB DEVELOPER/TEAM LEAD

- Design and maintain university intranet and internet websites.
- Prototype conceptual designs into wireframes and mockups, then transition them into functional web applications.
- Develop Web-based survey application based on ASP.NET, C#, Java Script, HTML, CSS and SQL Server.
- Manage a team of developers for University of Houston's writing center extranet and intranet.
- Work closely with Design Manager to implement new concepts and ideas.

LONE STAR COLLEGE MONTGOMERY LIBRARY, Conroe, TX

2009—2015

ASSISTANCE II/INTERIM ACTING SUPERVISOR

- Supervised and trained staff of 15 personnel in library duties.
- Managed library resources, including automation, cataloging, inventory, and service desk.
- Oversaw all technology troubleshooting within building including computers, printers, hardware, software, telephone, and copiers.
- Coordinated with teachers, administration, and technology support to troubleshoot ongoing problems and foster a highly productive and efficient learning environment.

RELEVANT PROJECTS

Wave File Manipulation

Course: Programming Applications in Elec and Comp Engineering

- Created sound synthesis C programs that analyze input audio file and generated an output at various frequencies, sample rates and channel modes, such as stereo to mono, or 22050 Hz to 44100 Hz.
- Created programs that produced simple music by manipulating audio frequencies with sine functions.

Zumo Robot Line Maze

Course: Computers and Problem Solving

- Designed a line maze solving robot algorithm with Matlab.
- The algorithm allowed the robot to navigate an unknown maze while learning and mapping to find the shortest route.

E-Commerce Sales and Revenue Tracker

Course: Introduction to C++ Programming

- Architected and wrote a program for an online store that determined the average sales and revenue for multiple departments for the store overall.
- Provided user with a graphical representation of the results ranking each department by sales.

Power Supply Design and Implementation

Course: Circuit Theory and Laboratory

- Designed and built an automated drill press with a motorized conveyor belt.
- Project won first prize and the team was invited to present at the Undergraduate Research Symposium.

PROFESSIONAL AFFILIATIONS

MEMBER—INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

MEMBER—PI MU EPSILON (PME) – MATH HONOR SOCIETY