Ed U. Gator

Houston, TX ▪ (713) 111-1111 ▪ edugator.uhd@email.com ▪ linkedin.com/edugator

SUMMARY

Bilingual, highly motivated college senior with excellent skills in electrical, controls, instrumentation and automation engineering. Designed and developed projects related to measurement and instrumentation technologies, computer-based control systems, and industrial processes automation. Preparing for Fundamentals of Engineering (FE) Exam in March 2019.

TECHNICAL SKILLS

Software: AutoCAD, LabVIEW, P-spice, Aspen Plus, Arduino, Java, Java Script, MATLAB, Visual Basic, Microsoft (MS) Excel, Word, PowerPoint

Instruments: Electric Circuits (resistors, LED bulbs, etc.), Arduino (microprocessor), PLC (programmable logic controllers), engraving testing machines, weight testing instruments, oscilloscope, multimeter

EDUCATION

University of Houston-Downtown, Houston, TX

Bachelor of Science, Engineering Technology, Control and Instrumentation   05/2018

Relevant Courses: Process Control Systems, Computer Networking, Engineering/Technology fundamentals, Safety Instrumented Systems, engineering economics

PROJECT EXPERIENCE

Computer Sciences & Engineering Technology Dept. - UHD, Houston, TX   08/2017- 05/2018

Team Leader, Pulse Width Modulation
- Automated the operation of a DC motor with minimum power loss by constructing PWM circuit on a breadboard
- Led a team of 2 in the design and simulation of PWM in P-spice

Project Leader, Design and Control of the Butyl Acetate Process
- Optimized butyl acetate process using Aspen Plus software with a team of 2

Project Leader, Work Converted to Heat
- Built pulley system that gave instantaneous energy to rotate fan blades inside the container to demonstrate thermodynamics
- Operated thermocouple device and amplifier using microprocessor software LabVIEW to determine temperature. Conducted theoretical calculations in Excel to measure heat input on windows

RELATED EXPERIENCE

Apathy Clinic, Houston, TX   01/2011 - 01/2015

Information Technology Specialist
- Conducted hardware and software maintenance implemented in Windows, Windows Servers and IOS
- Served as assistant to office manager providing filing and data entry of patient files
- Commended by supervisor for quick resolution of technology issues

ADDITIONAL SKILLS

Language: Fluent in Spanish (reading, writing, and speaking)