

Luis Chavez

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Objective

To obtain an **Electrical Engineering** Co-Op/internship for Spring or Summer with a strong interest in **Electronics**

Education

University of Houston, Cullen College of Engineering – Houston, TX

Pursuing Bachelor of Science, Electrical Engineering

Fall 2017

Focus: Electronics

Overall GPA: 2.86

Projects

- Building Curve Tracer and testing with JFET characteristics
 - In charge of collecting materials and build the experimental curve tracer to compare with a lab curve tracer
- Analog to Digital converter using Assembly
 - Analyze a digital signal using a potentiometer and micro controller to obtain an octave range for C scale
- Traffic light by implementing counters from sequential design
 - Implement SimUaid and LogicAid to make an equation into a circuit using JK flip-flops
- Melody and numerical analysis using C code
 - Coding with C to produce music
 - Plot multiple smuggle routes for Star Wars' Han Solo Kessel Run

Relevant Courses – Circuit Analysis| Applied Electricity and Magnetism| Programming in ECE| Signal and Systems| Digital Logic Design| Electricity and Magnetism Waves| Numerical Methods| Microprocessors| Electronics| Circuit and Systems

Work Experience

Applebee's – Shift Leader (Full Time)

Fall 2011 – Present

- Provide and deliver properly executed meals to patrons by collaborating with staff members
- Open Sundays to assist kitchen manager with inventory for the upcoming week
- Participate in corporate meeting for new menu options, training in butchering meat, and ServSafe certified

Skills

- Bilingual: English, Spanish
- Equipment: Breadboards, capacitors, inductors, resistors, diodes, multi-meter, power supply, Wave generator, transistors, and op amps
- Applications: OrCAD, Microsoft Office, Dev-C++, Visual Studio, Code Blocks, Photoshop, Flash, Arduino
- Programming: MATLAB(Augment Reality and Image Processing), C (.wav, .c, .txt), Assembly

Honors and Awards

- Dean's List Spring 2014
- UH Foundation Scholarship Fall 2016

Memberships

- Vex Robotics Fall 2016-Present
- Institute of Electrical and Electronics Engineers (IEEE) Fall 2014-Present
- Society of Hispanic Professional Engineers (SHPE) Fall 2013-Spring 2014

Volunteer Experience

- University of Houston, Cullen College of Engineering: assist employers by setting up engineering career fair booths
- Crosby Thrift Store: organize merchandise

Activities and Interests

- Build NXT Robots, circuits using Arduino, and online projects using electronics components
- Play tuba, trumpet, bass guitar, indoor soccer, volleyball, outdoor soccer