NELSON RAYMOND GRAJALES

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OBJECTIVE

To gain a Full time/Spring Co-op/ Summer internship within the Embedded or Computer Engineering Field.

EDUCATION

University of Houston – Main Campus
Bachelor of Science in **Electrical Engineering, Spring 2017,** G.P.A. 2.61
- Computer and Embedded concentration

PROJECTS

Team Segway (Senior Design)   Spring 2016-Fall 2016
- Programmed TIVA C Microcontroller in Code Composer Studio
- Programmed PWM, ADC, PID Controller in C to move Segway
- Debugged issues ranging from hardware to software.

Xamarin Studio   Spring 2015-Fall 2016
- Created a tip calculator application for IOS
- Learned C# to program different Applications with Xamarin IDE

Data Structures   Spring 2016
- Used the stack to check HTML code for balanced symbols
- Created Mini-Excel using linked lists and recursion
- Implemented doubly linked list to store college student information
- Developed a circular que to mimic customer selection for a salon

Programming Projects
- Used Matlab to simulate a spaceship navigation system   Fall 2013-Spring 2015
- Programmed an image filter using Matlab
- Decrypted and Encrypted messages using C programming

Nissan Design Challenge   Fall 2014
- Won the Grand prize of **$10,000**
- Designed a Solution to minimize water waste in agriculture

LEADERSHIP

Society of Hispanic Professional Engineers   Fall 2012-Present
- **Vice President – External**   Fall 2014-Spring 2015
  - Collected **$18,000** in Sponsorships   ▪ Helped plan and execute 99 events
  - **Regional Chapter of the Year**   ▪ Acted as the company liaison
- **Freshman Representative**
  - Increased membership by 30%   ▪ Recruited Students
  - **National Chapter of the Year**

Engineering Senator   Spring 2014-Spring 2015
- Founded the Cullen Engineering Council
  - Created the constitution and bylaws   ▪ Worked with College Administration

WORK EXPERIENCE

University of Houston – Center for Student with Disabilities – Houston, TX
IT Support   Fall 2016-Present
- Provide technical support to the department
- Configure information technology systems for the department

University of Houston – University Information Technology – Houston, TX
IT Customer Service Support   Spring 2016-Fall 2016
- Provide solutions about software issues
- Help students with University technology services

AWARDS

William A. Brookshire Scholarship ($12,000) Outstanding Chapter of the Year (SHPE), Harmony Public School Scholarship

Two time Regional Chapter of the year (SHPE), New Member of the year (SHPE), Freshman Robotics 1st place winner

SKILLS

Matlab Programming, Java Programming, C++ Programming, C Programming, SQL, Verilog, Fluent Spanish