SERGIO SILVA

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(832) 622-5576   Houston, Texas 77049

Objective
Seeking a full-time entry-level position to apply computer engineering experience

Education
Bachelor of Science, **Computer Engineering**   GPA: 2.633
University of Houston   Graduation: May 2017

Work Experience
Hewlett Packard Enterprise   May 2015 – January 2016
BETA Engineering Intern
- Proposed and created BETA Data Management, an application that stored program information, logistics, shipping data, customer issues and solutions, generated legal contracts, and automated complex processes
- Developments increased throughput and reduced lead time by 50%, which ultimately streamlined the BETA process and improved the Total Customer Experience (TCE)
- Software application eliminated the necessity to hire a salary-based logistics employee

Universities Space Research Association (NASA Contractor)   Sept 2011 – Dec 2012
Engineering Directorate, Robotic Systems Technology Intern
- NASA – Johnson Space Center, Student Intern of the Year Award
- Designed iPhone app that controls navigation of the Space Exploration Vehicle (SEV) on an air-bearing floor
- Decreased driving operation count and reduced testing duration when performing simulations

Projects
BlueChasm Anonymous Device Tracking Hardware and Software Challenge   Nov 2015
University of Houston CodeRED Hackathon
- Team Challenge Winner
- Created a hardware and software solution that tracks users anonymously through their mobile phone using Bluetooth low-energy signals, maps data to a layout of the store, and stores user paths for future analysis
- Allows client to tailor product placement and marketing to increase customer engagement and maximize sales

Resisteaux iPhone Application   June 2014 – Jan 2015
Personal Project
- Resistor color band calculator with intuitive and numerical entry modes
- Self-taught independent software development

Certifications and Skills
- Programming: C, C++, Objective-C, Java, VBA, Verilog HDL, Assembly
- Software: Xcode, Visual Studio, Eclipse, MATLAB, LabVIEW, Mathematica, Adobe Photoshop, SolidWorks, ModelSim, Quartus Prime, Xilinx ISE
- Language: English and Spanish

Relevant Courses
Circuit Analysis, Applied Electricity and Magnetism, Programming Applications (C), Computer Science II (C++, Java), Data Structures, Numerical Methods, Digital Logic Design, Signals and Systems Analysis, Electronics, Computer Architecture, Fundamentals of Software Engineering, Digital Electronics, Advanced Digital Design, Capstone Design I

Memberships
Society of Hispanic Professional Engineers (SHPE), Member   Sept 2014
Institute of Electrical and Electronics Engineers (IEEE), Member   Sept 2014