

Ricardo Paulin

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EDUCATION

Rice University – Houston, Texas (August 2014-December 2015)

- Master of Engineering in Mechanical Engineering GPA: 4.00/4.00

Trinity University – San Antonio, Texas (August 2009 – May 2013)

- Bachelor of Science Degree in Engineering Science GPA: 3.53/4.00
- Minor in Mathematics and Physics
- Certified Engineer in Training (EIT) by Texas Board of Professional Engineers

The University of Texas at Austin – Center for Professional Education in Houston, TX (September 2017-August 2017)

- The Houston Coding Boot Camp – Full Stack Flex Program

SKILLS

Languages:

- Fluency in Spanish (verbal and written)
- Fluency in English (verbal and written)

Experience Using: SolidWorks, Pro-Engineering, AutoCAD Inventor Professional, MatLab, MS Excel, Maple, and Minitab, Arduino Uno

Web Development Skills: JavaScript, jQuery, HTML5/CSS3, Bootstrap, Git, Responsive Design, API/JSON, RESTful API, Firebase, Ajax, Command Line, Scala, and C

ENGINEERING EXPERIENCE

Engineering Consultant at Exxon Mobil (Spare Parts) – Houston, Texas (September 2016 – Present)

- Provided quality control/quality assurance of technical data of recommended spare parts lists for Oil and Gas Projects
- Created technical descriptions for spare parts of an offshore platform (Hebron)
- Obtained information from bill of materials and catalogued items for different purchase orders
- Extracted and communicated the location of thousands of machinery parts and systems

Hardware Design Intern at Open Factory (3D Printing) _ Houston, Texas (March 2016-August 2016)

- Designed the hardware for a Digital Light Processing (DLP) 3D printer using Autodesk Fusion 360
- Utilized 3D printers, laser cutters, and CNC routers to create different hardware components
- Performed market research to help make decisions in the design of the 3D printer
- Helped refining the mesh to mold technique to make sacrificial molds to be used to create jewelry

Van Wessel SA. de CV (company specialized in medical equipment) – Mexico (Summer 2012, October 2013 – August 2014)

- Designed parts of a tissue processor using Autodesk Inventor and SolidWorks
- Helped solve problems regarding the design of the tissue processor by working as a team with engineers from different fields (electrical, biomedical, and mechanical)
- Finished the first generation of tissue processors by the end of the summer
- Restored and gave maintenance to used medical (pathology) equipment under supervision of experienced engineers

Process Engineer at Morgan Advanced Materials (Injection Molding of Ceramic Pieces) – Mexico (June-October, 2013)

- Applied critical and analytical thinking to redesigning processes, solving problems and reducing manufacturing costs
- Created, modified and held responsibility of technical documentation such as work instructions
- Worked with the production employees and lead to manufacture to customer specifications
- Managed projects as assigned and communicated results to research specialists located in overseas offices (headquarters)

OTHER ACTIVITIES/VOLUNTEERING

Soccer Coach for Houston Dutch Lions Academy (2016)

Member of Delta Epsilon Iota Academic Honors Society (2011- 2013)

Alpha Kappa Psi Professional Business Fraternity (Fundraising Chair, 2011-2013)

AWARDS/CONFERENCES

Chosen as a Lloyd's Register Foundation Graduate Fellow at Rice University (2014-2015)

Graduated from Trinity University with Latin Honors Cum Laude (2013)

Inclusion into the Dean's List for High Academic Performance (2011-2013)

Winner of the First Year Design Contest held by the Engineering Science Department of Trinity University (2009)

Obtained the Trinity University International Merit Scholarship (2009)