**Carlos Mendez**

**Contact:** c.mendez@email.com | (713) 987-6543 | Houston, TX  
**LinkedIn:** linkedin.com/in/carlosmendez

**Profile**  
Mechanical engineer with extensive experience in oilfield tools design, simulation, and reliability improvement. Focused on high-performance hardware and continuous design iteration.

**Professional Experience**

**Mechanical Engineer III**  
*Schlumberger – Houston, TX*  
**Jan 2020 – Present**

* Led design and testing of high-pressure downhole tools.
* Improved failure prediction models using FEA simulations.
* Developed 3D-printed prototypes for field evaluation.

**Junior Mechanical Engineer**  
*Halliburton – Houston, TX*  
**Jul 2017 – Dec 2019**

* Contributed to rotary steerable systems development.
* Documented processes and designed new housing components.

**Mechanical Design Intern**  
*Baker Hughes – Houston, TX*  
**May 2016 – Aug 2016**

* Supported CAD modeling for hydraulic systems.
* Performed stress testing and fatigue analysis.

**Education**

**Master of Science in Mechanical Engineering**  
Texas A&M University – College Station, TX  
**Sep 2015 – May 2017**

**Bachelor of Science in Mechanical Engineering**  
Universidad de los Andes – Bogotá, Colombia  
**Jan 2010 – Nov 2014**

**Certifications**

* Certified SolidWorks Professional (CSWP) (2023)
* Fundamentals of Engineering (FE) Certification (2019)