

CURRICULUM VITAE – August 2022

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Education

M.S. Mechanical Engineering The University of Texas at San Antonio, 2008
B.S. Mechanical Engineering Texas A&M University at College Station, 1995

Professional Chronology

Assistant Professor of Practice The University of Texas at San Antonio	2022 – Present
Senior Mechanical Engineer EWI (a home-based engineering consultancy)	2020 – Present
Senior Design Engineer Black Horse LLC (a Caterpillar Joint Venture)	2017 – 2020
Principal Engineer Cameron, a Schlumberger company – Drilling Systems	2014 – 2016
Advanced Engineer Cameron, a Schlumberger company – Drilling Systems	2012 – 2014
Team Lead, Mechanical Engineering GE Oil & Gas – Drilling Systems	2011 – 2012
Lead Engineer, Mechanical – New Product Development GE Oil & Gas – Drilling Systems	2008 – 2011
Mechanical Design Engineer SAIC – Aircraft Solutions Group	2007 – 2008
Engineering Supervisor CACI – Sustaining Engineering Group	2005 – 2006
Senior Engineer, Mechanical CACI – Sustaining Engineering Group	2002 – 2005
Mechanical Engineer NCI, Inc. (formerly Karta Technologies, Inc.)	2001 – 2002
Project Manager NCI, Inc. (formerly Karta Technologies, Inc.)	1999 – 2001
Mechanical Engineer NCI, Inc. (formerly Karta Technologies, Inc.)	1996 – 1999

Recognitions

Patent: Subsea control module with removable section and method, US 8,464,797 B2
General Electric Global Reward and Recognition
Letter of commendation, US Air Force, Warner Robins-ALC

CACI Encore Achievers

Five years of dedicated service award – Karta Technologies, Inc.

Award for project management and contract negotiations – Karta Technologies, Inc.

Master's Thesis and Coursework

Error estimator for finite element based stress intensity factor using J integral, 2008

Analytical Techniques in Engineering Analysis, Foundations of Solid Mechanics, Probabilistic Engineering Design, Finite Element Methods, Advanced Strength of Materials, Special Problems: Reliability, Fracture Mechanics, and Composite Materials.

Additional

Participated in a panelist discussion for pre-engineering students to expose them to various engineering career options. Lone Star College, Houston, 2013