

MARK ADMANI

Portfolio: www.markadmani.com • **Email:** admanimark@gmail.com • **Phone:** 832-293-0961

SUMMARY

Mechanical Engineer with experience in process engineering and a background in computer aided drafting, electronics, and programming.

EDUCATION

University of Houston – Cullen College of Engineering

B.S. in Mechanical Engineering, minor in Mathematics
August 2011 – May 2016

Fundamentals of Engineering Exam – Pass

Mechanical Engineering Exam, License # 60739

Relevant Coursework

Mechanical Design I & II
Thermodynamics I & II
Solid Mechanics
Fluid Mechanics

Mechanical Dynamics & Controls
Materials Science
Rocket Propulsion
Machine Element Design

SKILLS

Technical: AutoCAD, Inventor, Microsoft Office, Engineering drawings, Electrical Design

Programming: LabVIEW, MATLAB, Visual Basic, C++, Python

Creative: Photoshop, Blender, Inkscape, NI Mudbox, 3D Printing, Sewing, Soldering

WORK EXPERIENCE

Nov 2017 - Present
La Porte, TX

Petrin LLC., Associate Project Engineer

- Verified installed insulation through system walkdowns, check that specifications are followed
- Estimated industrial construction jobs to determine costs and specifications
- Estimated commercial plumbing/HVAC jobs to ensure compliance with standards
- Calculated labor productivity estimates to determine an adequate pace of work
- Created an automated labor tracking database through Excel using visual basic programming

Feb 2017 – Jul 2017
Deer Park, TX

Kellogg, Brown, and Root, Engineering Technical Specialist

- Marked up Piping & Instrumentation Diagrams to make redlines, highlight system boundaries, show revisions, and isolate test packages for review
- Manage Project Deviation Notice database, writing reports on field issues or revisions that require deviations from the original project scope
- Prepare turnover binders of each industrial system/subsystem to be turned into our client, LyondellBassell
- Manage the turnover system database by entering and filing instrument test records

Aug 2012 – Jan 2015
Houston, TX

University of Houston, Lead Teacher's Assistant / Research Assistant

- Taught the honors courses for "Introduction to Engineering" and "Computing for Engineers", focusing on LabVIEW and MATLAB programming
- Researched and successfully implemented new coursework designed around Arduino microprocessors
- Promoted for my knowledge of the subject matter to Lead Teacher's Assistant, asked to lead seminars on teaching
- Graded papers, tests, lab notebooks, and held office hours and lab hours for students to work on their projects

MEMBERSHIPS

Dec 2011 – Dec 2015

Honors Engineering Program

President (2013-2014), *Vice President* (2014-2015), *Social Chair* (2011-2013)

Conducted meetings for a group of ~100 students bi-monthly, managed events, corresponded with engineering companies for plant tours, conferences, and recruiting fairs

Aug 2011 – Dec 2016

University of Houston - Honors College

Honors Ambassador, Orientation Counselor, Student Governing Board

Worked with the Honors College, calling potential applicants, leading Honors retreat groups, counseling students on course decisions, and managing social events and career fairs