

Frank DePaolo

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CAPSTONE PROJECT – HALLIBURTON- 5-MAN TEAM

August 2014 – May 2015

- Designed prototype automated anvil for impact testing machine using Solidworks and Inventor FEA
- Made, installed, and tested anvil at Drill-bits and Services Facility in Conroe, TX
- Designed, made, and installed control system for test engineers using PLC programming

EDUCATION

University of Texas, Austin, Texas

June 2020 (expected)

Coding Bootcamp w/ Certificate

Full-stack Web Development

University of Houston, Houston, Texas

May 2019

Master of Science in Systems and Computer Engineering

Areas of Study: IC Engineering, VLSI, Robotics, Digital Signal Processing

Texas A&M University, College Station, Texas

Bachelor of Science in Engineering Technology

May 2015

Focus: Manufacturing and Mechanical Engineering Technologies

WORK HISTORY

FordAV, Houston, TX – *Field Engineer*

January 2020 – March 2020

- Install new audio/video equipment at customer jobsites
- Run cables through walls/ceilings
- Terminate and connect cables to end-devices
- Read drawings to verify correct parts are being used in correct places

Crain, Caton & James, Houston, TX – *Contractor/Clerk for apartment complex*

October 2016- Present

- Organizing and depositing rent totaling \$150k+/month.
- Created and maintained 350-unit digital lease management worksheet
- Liaison between employees at leasing office and lawyers at firm

EXPERIENCE

U.S. Army -1LT Texas Army National Guard

August 2010 – July 2019

- Field Artillery Fire Direction Officer
- Platoon Leader/Executive Officer

May 2015 – May 2017

May 2017 – May 2019

SKILLS

HTML, CSS, JavaScript, Heroku, Node.js, Server.js, Express.js, MySQL, SQLite3, Sequelize, JSON, API, Responsive Design, Github, Solidworks, GD&T, RSLinx, Microsoft Office Suite, Visual Basic, AutoCAD, Inventor, Python, Silvaco, LTSpice

FAMILIAR WITH

Bootstrap, Java, C/C#/C++, Ruby, OOP, jQuery, PHP, RSLogix 5000, XML, MatLab, ProE, SCADA, Linux, Eclipse, NDT & DT Methods, BOM, Welding, Gant Chart

RELEVANT CLASSES

VLSI Design – I.C. Engineering – Intro to Robotics – Digital Control Systems – Advanced Process Integration VLSI – Intro to Cyber Security – Principles of Internetworking – CMOS Analog IC – Advanced Computer Architecture – Digital Image Processing - Digital Signal Processing

