

# Dzung N. Tran

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## *Drafting and Design Technology*

### TEACHING EXPERIENCE

After 10yrs as a working professional – *Drafter to Senior Piping Designer*. I join Lamar University Institute of Technology - Beaumont, Texas. A full-time instructor position in Computer Aided Drafting and Design Department; conducting intermediate to advances drafting classes from 1997 – 2000. A career changed after next 10+yrs working professional – *Mechanical Design Engineer* – National Oilwell Varco. from 2000 – 2010. I join Houston Community College as an *Adjunct Instructor* from 2008 – Present; concurs maintaining professional career.

*Past/Present Course Teach: DFTG2335*-Advanced Tech in Mechanical Design; *DFTG2317*-Descriptive Geometry; *ARCE1352*-Structural Drafting; *DFTG1305*-Technical Drafting; *DFTG2340*-Solid Modeling Design; *DFTG2330*-Civil Drafting Technology; *DFTG2319*-Intermediate AutoCAD; *DFTG2323*-Pipe Drafting and Design; *DFTG1309*-Basic CAD; *DFTG2308*-Instrumentation Drafting

### PROFESSIONAL EXPERIENCE

**Deepwater Corrosion Service Inc, Houston, TX.**

**2017 – Present**

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#### ***Manufacturing Engineer***

##### *Duties & Responsibilities:*

Improve design and manufacturing efficiency by analyzing and planning work flow, procedures, and process. Assures product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes. Produce designs detailing specialist products associated with design, mechanical and electrical engineering of topside and subsea equipment. Incorporate engineering specifications into design, process, or techniques and provide feedback to capture lessons learned. Maintains product and process data base, organize and maintain consistent product descriptions in ERP and EPDM software. Prepare detail drawings, assembly drawings, bills of materials, customer submittals, parts layouts, piping drawings, marked prints, sketches, design specifications, vendor catalogs or other engineering or reference data.

**Emerson Network Power, Houston, TX.**

**2014 – 2016**

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#### ***Principal Engineer***

Supported electrical engineer team for all custom mechanical systems, assemblies, and component parts. Created all details sheet metal and fabrication drawings using SolidWorks. Reviewed and approved mechanical design changes. Wrote installation and assembly procedures.

**Whitefield Plastic Corp, Houston, TX.**

**2010 – 2014**

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***Mechanical Design Engineer***

Engineered new product design, making changes, update, ECN and improvements to existing products. Familiarity with drilling rig equipment. Create custom design polyurethane product line for on-shore oil and gas: custom roller, sealing elements RCD, mud-piston, custom clamp, safety mechanism, protective cover, and protective sleeve projects. Created custom design polyurethane product line for offshore subsea: VBR; BSR, I-Tube Seal, J-Tube Seal, Buoyancy module, custom riser clamp products. This included all turnkey drafting and design detail print, new product testing, documentation, reporting, mold design to final cast product.

**National Oilwell Varco, Houston TX.**

**2000 - 2010**

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**Mechanical Design Engineer**

Engineer team member for new product design, Making changes, updates, ECN, and improvements to existing products. Designed product lines for horizontal and vertical synchronous generator and motor; top drive induction motor, Drilling production; Eddy current brake and brake controller and cooling system.

**ADDITIONAL RELEVANT EXPERIENCE**

**LAMAR UNIVERSITY INSTITUTE OF TECHNOLOGY, Beaumont, TX.**

**FACULTY: Professor of Drafting / Design Technology.**

**PETROCON ENGINEERING INC., Beaumont, TX**

**Senior Piping Designer**

**GULF STATE UTILITIES, Beaumont, TX**

**AutoCAD Drafter and Designer**

**EDUCATION**

**Bachelor of Science, (BS), Industrial Technology, Lamar University, Beaumont, TX**

**Associate of Applied Science, (AAS), Computer Drafting Technology, Lamar University**

**Associate of Applied Science, (AAS), Process Operating Technology, Lamar University**

**Bachelor of Science, (BS) Mechanical Engineer, Warren Nation University**