

Joseph P. T. Flanagan

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PROFILE

Detail oriented professional looking for new challenges.

TECHNICAL SKILLS

- Proficiency with Git, HTML, CSS, JavaScript, AJAX, jQuery, MySQL, MongoDB, Express.js, React, Node.js, HandleBars.js, Object Oriented Programming (OOP), Test Driven Development(TDD), Object Relational Mapping(ORM), Model-View-Controller(MVC), RegEx, Progressive Web Applications (PWA), SolidWorks, Pronest/Turbonest
- Experience with AutoCad, C++, C# , Python, and Unity

WORK EXPERIENCE

Design Engineer - Niece Equipment / Niece Products of Kansas (Buda, TX and Ft. Scott, KS)

August 2014 – Present

- Design water and fuel lube trucks for mining and construction that have sold for hundreds of thousands of dollars and are in use in the United States and around the world.
- Cater to customer requests, completing work for the City of Austin, California Southern Edison, Warren Caterpillar, and many construction and mining contractors in Texas.
- Create sets of assembly and welding instructions for manufacturing.
- Run engineering analysis of parts to ensure a good working life for the trucks.
- Design jigs and fixtures to increase uniformity in finished products.
- Work with manufacturing floor workers to make designs that are easier to manufacture and maintain.
- Oversee safety meetings and work to reduce inventory through Just-In-Time and other principles of Lean.
- Ensure that products are compliant with company standards before they leave the shop.

Drafter - Niece Equipment / Niece Products of Kansas (Del Valle, TX and Ft. Scott, KS) June

2013 – August 2014

- Converted 2D paper and AutoCAD drawings into 3D CAD models, and SolidWorks drawings

EDUCATION

University of Texas Coding Bootcamp - May 2020 to Present

Bachelor of Science in Engineering Technology – Magna Cum Laude, Texas State University - 2014, GPA 3.22

HONORS & CERTIFICATIONS

Multiple Semesters - Dean's List Texas State University

Academic Excellence in a Senior Student, Engineering Technology Department TSU

Management Training Certification with Southwest Regional Institute

Udemy Certifications in: Game Development with Unity, Programing Voxel Worlds, C++: From Beginner to Expert