

TIMOTHY TYLER DEHOF

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SUMMARY

As a mechanical design engineer with extensive experience, I recently made the transition to software development through an immersive web development program that gave me the tools and knowledge to excel in this new role. I am now looking for a software development position where I can apply my skills and expertise to create innovative solutions. I have a proven track record of completing projects on time and maintaining strong relationships with clients. I am eager to join a dynamic team and contribute to the success of the organization.

EDUCATION

University of North Florida, Jacksonville, FL | Bachelor of Science in Mechanical Engineering Dec 2011
University of North Florida, Jacksonville, FL | Web Development Certificate of Completion Feb 2022 – May 2022
An intensive 3-month long coding Bootcamp in which I learned to design and build single page applications from the front-end to back-end with emphasis on the PERN technical stack (PostgreSQL, ExpressJS, ReactJS, and NodeJS)

SKILLSET

Programming Languages / Tools: JavaScript, HTML, CSS, Express, NodeJS, React, Git, VBA, Heroku, Netlify, PostgreSQL, Prisma, Axios, JWT, Webpack, Firebase, Styled-Components

Related Courses: *Responsive Web Design*, Programming Foundations: Object-Oriented Design, Complete Web Developer in 2023: Zero to Mastery, Complete React Developer in 2023 (w/ Redux, Hooks, GraphQL): Zero to Mastery

PROJECTS

Galactic Pawn, Full-stack E-commerce Website | Live Demo: capstone-galactic-pawn.onrender.com/ | GitHub: <https://bit.ly/3B9Pdw7>

- Built a full-stack e-commerce website that can handle and integrate routes, PostgreSQL, database, and OAuth. The website included a login and register page, as well as a main store page that allows users to create an account and add items to their cart. The goal was to simulate a remote team environment and utilizing web development and full-stack technologies that was taught in Web Development Immersive Program.
- Technology: React, NodeJS, Express, PostgreSQL, Heroku, Render, Bit.io, Prisma, JWT

Crown Clothing, Full-stack Clothing E-commerce Website | Live Demo: crwn-clothing-company.netlify.app/ | GitHub: <https://bit.ly/3yMK7V4>

- Created a full-stack e-commerce website that can handle and integrate secure payments, routes, noSQL, database, and OAuth. The goal was to use the project as a boilerplate for future similar work and showcase payment integration on future company's website.
- Technology: React, NodeJS, Stripe, Firebase / Firestore

Smart Brain, Full-stack Face Detection Website | Live Demo: big-smart-brain.netlify.app/ | GitHub: <https://bit.ly/3FRRNcj>

- Built a full-stack project where users can upload an image URL and by using machine-learning we were able to detect the faces within the image. The goal was to use the project as way to showcase what I learned by continue working with web development and full-stack technologies.
- Technology: React, NodeJS, PostgreSQL, Heroku, Render, Netlify, Clarifai (REST API)

PROFESSIONAL EXPERIENCE

Polyhistor International Inc., Jacksonville, FL

Mechanical Design Engineer Jun 2014 – Jan 2022

- Expertly managed 3D printing projects for both internal and external clients using Stratasys and FormLabs software and various 3D printing technologies (Polyjet, FDM or SLA). Ensured successful preparation, execution, and post-processing of 3D printed parts.
- Improved efficiency by decreasing lead times by 20% through the implementation of advanced 3D printing pre-processing software and proficient troubleshooting skills for 3D printing machines.
- Improved production efficiency by 15% through the implementation of a 3D printing project management tool using Microsoft Excel and VBA
- Demonstrated excellent attention to detail and ability to produce high-quality parts, resulting in a customer satisfaction rate of 95%
- Skilled in identifying and resolving production issues, ensuring smooth and efficient operations.

Engineering Technician

Mar 2012 – Jun 2014

- Maintained strong communication skills, both written and oral, and demonstrated ability to work well in a team environment; successfully built prototypes and assembled large quantities of wire harnesses, resulting in promotion to full-time mechanical design engineer
- Demonstrated proficiency in visual and basic measurement inspection of parts, ensuring conformity to specifications and detecting defect
- Gained valuable experience in the operation of advanced manufacturing technology, including running jobs on the Objet Eden 260v Rapid Prototype machine.