

TIMOTHY TYLER DEHOF

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Software Developer

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SUMMARY

Experienced engineering professional and recent Fullstack Academy graduate with a Bachelor's in Mechanical Engineering seeking to apply my mathematical and analytical skills in a software developer role with an enterprise-level firm. Excellent attention to detail and organizational abilities, as well as a strong drive to learn and improve on the job.

TECHNICAL SKILLS

Programming Languages: JavaScript | HTML | CSS

Frameworks: Express | Node.js

Operating Systems: Windows | MacOS

Knowledgeable: Git | ReactJS | Frontend Development | Backend Development | Software Design | Software Development

Familiar: Heroku | SQL (PostgreSQL) | Quality control | Six Sigma | Prisma | Axios | Data Structures | Algorithms

PROJECTS

Galactic Pawn | *Software Engineer* | *Live Demo:* <https://bit.ly/3wSHhN1> | *GitHub:* <https://bit.ly/3B9PdW7>

An e-commerce website for a pawn shop at the end of the galaxy

- Collaborated on a 4-person team to develop a store login and registration UI that improved retention, web accessibility, and functionality
- Built a backend database by incorporating Prisma, an open-source database toolkit, and PostgreSQL that reduced development time and increased code readability
- Authored 39 commits to the project's repository on GitHub, a code hosting platform for version control and collaboration

Movie WatchList | *Solo Developer* | *Live Demo:* <https://bit.ly/3BaO1sb> | *GitHub:* <https://bit.ly/3TCPpLq>

web app that allows a user to create a watchlist from list of movies from the omdb API

- Developed a web application that utilizes the omdb API to enable movie title search and render the results to the page
- Translated UI/UX Wireframes to actual code
- Users can add and remove movies from a watchlist by Utilizing the local storage.

Password Generator | *Solo Developer* | *Live Demo:* <https://bit.ly/3AICRKO> | *GitHub:* <https://bit.ly/3QhauIm>

web app that generates a list of random passwords based on the user's selection

- Translated UI/UX Wireframes to actual code
- Users can change the string length of random passwords and toggle the inclusion of numbers and symbols in the generation of random passwords

PROFESSIONAL EXPERIENCE

PolyHistor International Inc., Jacksonville, FL

Mechanical Design Engineer

Jun 2014 – Jan 2022

Engineering Technician

Mar 2012 – Jun 2014

- Designed five plus products using Solidworks in collaboration with senior engineers, achieving a reduction in the manufacturing cost of the products
- Managed three 3D printing machines and coordinated 3D printing projects that reduced lead times
- Determined methods or sequences of operations needed to perform lights-out operations of 3D printing jobs for batches of 10+ parts
- Measured, examined, and tested a sample size of completed parts from a manufactured batch of 1000+ to check for defects and ensure conformance to specifications according to blueprints
- Notified superintendent and other personnel of production problems and assisted in identifying and correcting these problems
- Developed 3D models of customer's parts using precision measuring tools such as micrometers, calipers, comparators, and other gages to measure dimensions and record data
- Collaborated with colleagues to create technical manuals to communicate production procedures for new hires

EDUCATION & CERTIFICATIONS

University of North Florida, Jacksonville, FL

Web Development Immersive Program, Powered by Fullstack Academy

Feb 2022 – May 2022

Rigorous coding Bootcamp focused on full-stack development. Emphasis on paired programming in an agile environment. Skills acquired: JavaScript, HTML, CSS, PostgreSQL, Node.js, React.js, Express.js

Bachelor of Science in Mechanical Engineering

Dec 2011

Relevant Courses: Robotics Engineering, Statistics, Intro to Programming, Applied Mathematics, System Design

EIT Certification, Florida License #: 1100016119

Oct 2012

Responsive Web Design Certification: 300 Hour coursework, FreeCodeCamp.org

Aug 2022