

Tyler Hartwell

Software Engineer

SUMMARY

Inventive and detail-oriented software engineer passionate about building effective and engaging user experiences. Skilled in developing robust software solutions, problem-solving, and collaborating across teams to drive process improvements. Eager to contribute to a forward-thinking tech company that values growth and creativity.

Explore my portfolio at tylerhartwell.com

PROJECT EXPERIENCE

[Sudoku Ruler](#) (Fullstack Web App for Advanced Puzzle Solving & Training) –

- **Tech Stack:** Next.js, MongoDB, React, Tailwind CSS, TypeScript,
- Built a platform to practice advanced Sudoku strategies with hundreds of curated puzzles and selectable automated solving steps.
- Enabled intuitive and responsive interactions across devices.

[Put It On The List](#) (Fullstack Web App for Anonymous Collaborative List Management) –

- **Tech Stack:** HTML, CSS, JavaScript, Firebase
- Developed a real-time app for private or shared list management using Firebase for cloud storage.
- Implemented responsive touch and mouse interactions for quick and simple collaboration.

[Personal Portfolio Website](#) (Project Hub and Developer Blog) –

- **Tech Stack:** Next.js, React, Tailwind CSS, TypeScript, Sanity CMS
- Built a responsive website to showcase projects and host a developer blog, with dynamic content managed via Sanity CMS.

WORK EXPERIENCE

Computer Aided Design Technician at SeeScan, San Diego, CA

November 2018 — May 2023

- Performed cross-departmental collaborations to enhance processes through software and procedural innovations.
- Maintained and updated complex 3D models, assemblies, and technical drawings.
- Co-developed, designed, and physically constructed product testing apparatus, improving product validation efficiency.

Engineer at CHC Consulting, LLC | San Diego, CA

October 2017 — July 2018

- Designed cost-effective fiber optic routing plans for telecommunications projects using specialized software.
- Managed engineers as a quality control lead by assuring designs are accurate while exceeding client deadlines

CONTACT

858.717.1700

thartwell37@gmail.com

github.com/TylerHartwell

linkedin.com/in/tyler-hartwell

SKILLS

HTML

CSS

Tailwind

Javascript

Typescript

React

Next.js

MongoDB

Java

C#

Git

Node

EDUCATION

UC San Diego

2011-2016

BS: Mech. Eng.