

Patrick Chen

WEST HARTFORD, CONNECTICUT

FULL STACK DEVELOPER · CIVIL ENGINEER MAJOR · UNIVERSITY OF CONNECTICUT

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About Me

Full stack web developer stemming from a Civil Engineer background to build a structured, robust application on the web. Recently received a certificate in full stack development from University of Connecticut Boot Camp, with newly developed skills in JavaScript, CSS, Express JS, MongoDB and React.js.

I am a problem solver passionate in developing apps. Each project is aimed to give the best user interface design and experience for a more impactful experience. I worked in teams to develop projects that utilizes MERN to deliver powerful applications, allowing users to handle the app with ease.

I am excited to leverage my skills as part of a fast-paced, quality-driven team to build better experiences on the web.

Technical Skills

Front End HTML · CSS · JavaScript · jQuery · Bootstrap · Handlebars · React

Back End Node.js · Express JS · Jest · MySQL · MongoDB · Heroku

Tools Git · npm

Experience

Garg Consulting Services

Rocky Hill, CT

INSPECTOR - RT. 8 BRIDGES REHABILITATION

Jun 2021 - Sep 2021

Waterbury, CT

- Communicated effectively with contractors, state troopers, and Highway Operations for safe lane closures and best practices by performing it twice-daily. Ensured that there were 0 preventable accidents while on stay in the project.
- Quickly became knowledgeable on project design plans and specifications to immediately start working within a week.

OFFICE ENGINEER - NETWORK CONNECTIVITY FOR SECURITY

Feb 2021 - Jun 2021

New Haven, CT

- Established weekly feedback by coordinating with CTDOT, Amtrak, Metro-North, Verde Electric and Appleton Security to increase productivity by 50%.
- Developed project updates, analysis and meeting minutes for bi-weekly project meetings to quickly leverage the project manager's awareness within minutes.

INSPECTOR - NEW HAVEN RAIL WEST END YARD

Aug 2019 - Feb 2021

New Haven, CT

- Inspected and found critical construction error that potentially saved \$200,000 construction cost through reporting and following up in construction repair.
- Helped inspect and review the construction of a storage warehouse tent completed a month early from its original completion date.

OFFICE ENGINEER - WALK BRIDGE REPLACEMENT

May 2017 - Aug 2019

Norwalk, CT

- Individually created and implemented an Access Database for the Environmental Engineering Department for NEPA (National Environmental Policy Act)/permitting documents to which the project still maintains and uses.
- Introduced clarity and transparency in developing weekly schedules and estimates for constructability reviews that helped reduce meeting times by 100%.

ENTRY LEVEL ENGINEER - 0301-0124 - NEW HAVEN RAIL FACILITY

Apr 2016 - Mar 2017

New Haven, CT

- Reviewed contract documents and fixed multiple calculation errors that resulted in completing the submission for the 60% design review.
- Performed excellence in drafting responses for inquiries that received recognition and satisfaction from clients to progress their projects.

Projects

Trackend · github.com/paperpatch/trackend · trackend-project.herokuapp.com

- Built a Content Management Ticketing System that tracks issues through a MVC paradigm with a team of 4.
- Created working models, relationships and user experience with Handlebars and Sequelize.

Open Fridge · github.com/paperpatch/open_fridge · paperpatch.github.io/open_fridge

- Spearheaded and created a recipe app as a team leader of 3 by building the wireframe, layout and project details.
- Creatively sourced vital data by writing dynamic REST API routes and persisted local data.

Education

University of Connecticut Coding Bootcamp

Certificate of Completion, Trilogy Education Services

Storrs Mansfield, CT

Sept 2021 - March 2022

University of Connecticut

Bachelor of Science, Major in Civil and Environmental Engineering

Storrs Mansfield, CT

Dec 2015