

# Patrick Chen

WEST HARTFORD, CONNECTICUT

FULL STACK DEVELOPER · CIVIL ENGINEER MAJOR · UNIVERSITY OF CONNECTICUT

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## About Me

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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 team player passionate about developing apps to provide high quality customer service. I am attentive in creating interface design and user experience for a more impactful experience. Through collaboration and respectfulness, I worked positively in teams to not only develop projects that utilize MERN to deliver powerful applications, but also build interpersonal relationships for a better work environment.

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

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**Front End**   HTML · CSS · JavaScript · jQuery · Bootstrap · Handlebars · React  
**Back End**   Node.js · Express JS · Jest · MySQL · MongoDB · Heroku  
**Tools**   Git · npm

## Experience

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### 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

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#### Trackend · [github.com/paperpatch/trackend](https://github.com/paperpatch/trackend) · [trackend-project.herokuapp.com](https://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](https://github.com/paperpatch/open_fridge) · [paperpatch.github.io/open\\_fridge](https://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

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#### 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