

# Patrick Chen

FULL STACK DEVELOPER · CIVIL ENGINEER MAJOR · UNIVERSITY OF CONNECTICUT

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## About Me

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

## Experience

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### Garg Consulting Services

*Rocky Hill, CT*

INSPECTOR - 0151-0034 - RT. 8 BRIDGES REHABILITATION *Waterbury, CT* Jun 2021 - Sep 2021

- 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 no 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 - 0320-0021 - NETWORK CONNECTIVITY FOR SECURITY *New Haven, CT* Feb 2021 - Jun 2021

- Created schedules and timelines by coordinating with CTDOT, Amtrak, Metro-North, Verde Electric and Appleton Security and established weekly feedback and responses for each work week.
- Developed project updates and analysis for bi-weekly project meetings.

INSPECTOR - 0300-0138 - NEW HAVEN RAIL WEST END YARD *New Haven, CT* Aug 2019 - Feb 2021

- Inspected and documented all construction activities, working alongside Amtrak and Metro North force accounts.
- Trusted in coordinating and managing work order invoices by verifying accurate calculations and payments.

OFFICE ENGINEER - 0301-0176 - WALK BRIDGE REPLACEMENT *Norwalk, CT* May 2017 - Aug 2019

- 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.
- Responsible for providing engineering support in development of schedules, estimates, and constructability reviews.

ENTRY LEVEL ENGINEER - 0301-0124 - NEW HAVEN RAIL FACILITY *New Haven, CT* Apr 2016 - Mar 2017

- Managed and organized documents to log data, submittals, and inquiries for project contracts.
- Drafted responses for inquiries and reviewed engineer responses for specification conformity.

## Projects

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### Open Fridge · [Github](#)

- 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 Boot Camp

*Storrs Mansfield, CT*

Certificate of Completion, Trilogy Education Services

Sept 2021 - Now

### University of Connecticut

*Storrs Mansfield, CT*

Bachelor of Science, Major in Civil and Environmental Engineering

Dec 2015