Patrick Chen

FULL STACK DEVELOPER · CIVIL ENGINEER MAJOR · UNIVERSITY OF CONNECTICUT

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About Me

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

Experience

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

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

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

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