Patrick Chen

WEST HARTFORD, CONNECTICUT

FULL STACK DEVELOPER · CIVIL ENGINEER MAJOR · UNIVERSITY OF CONNECTICUT

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github.com/paperpatch | linkedin.com/in/patchen21/

Summary

Full-stack web developer stemming from a Civil Engineer background to build a structured, robust application on the web. A team player that is passionate about developing apps to provide high-quality customer service. Through collaboration and respectfulness, working positively in teams is greatly valued to build interpersonal relationships for a better work environment and develop projects that utilize MERN to deliver powerful applications.

Technical Skills

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

Projects

Sorting Visualizer · github.com/paperpatch/sorting_visualizer
- Implemented a sorting algorithm visualizer to help learn and understand different data structures with React and multiple npm packages.

Trackend · github.com/paperpatch/trackend · trackend-project.herokuapp.com
- Built a Content Management Ticketing System that tracks issues through an MVC paradigm with a team of 4 with Handlebars, Sequelize, and Express.
- 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 with Foundation CSS, Tasty API, and JavaScript.
- Creatively sourced vital data by writing dynamic REST API routes and persisted local data.

Education

University of Connecticut Coding Bootcamp   *Storrs Mansfield, CT*
Certificate of Completion, Trilogy Education Services   Sept 2021 - March 2022

University of Connecticut   *Storrs Mansfield, CT*
Bachelor of Science, Major in Civil and Environmental Engineering   Dec 2015

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 errors that potentially saved $200,000 in construction costs through reporting and following up on 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.

Certifications

AWS Certified Solutions Architect   Exp May 2025
Amazon Web Services (AWS)