

# Chan Li (Henry) Liao

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## RELEVANT PROJECTS

### Personal Portfolio Website

May 2021

- Created a personal web portfolio with modern design effect like glass-morphism and dark-mode to Showcase personal projects
- Developed modern design effect and web responsiveness using advance understand of HTML, CSS and JS
- Effectively demonstrated technical skills and presented varies projects

### 3D Society (Web Application)

Apr 2021

- Designed an Ecommerce platform for 3D printing community where one can buy, sell, and learn
- Developed using MERN stack and custom APIs to fetch data using react hooks and context API for state management
- Designed with Bootstrap CSS framework and hosted with Heroku
- Established functional single seller eCommerce platform with future plans to grow into a multi-seller platform with an education function

### Project Tracker (Web Application)

Mar 2021

- Created an activity management application for tracking project progress and bugs
- Developed using MERN stack and custom APIs to fetch data using react hooks and context API for state management
- Designed with Materialized CSS framework and hosted with Heroku

### Let's Talk Money (Web Application)

Feb 2021

- Designed an expense management app using voice recognition technology for easier data entry for user
- Implemented using MERN stack and Speechly APIs to integrate voice recognition into the app
- Transformed a basic expense management app using a creative and efficient UX for users

### Quick Chat (Web Application)

Feb 2021

- Created a real-time messenger with the help of 3<sup>rd</sup> party APIs
- Developed using React for frontend and Node.js and Express framework for backend development with Socket.IO APIs
- Discovered a new understanding for communication between server side and client side

## PAST EXPERIENCE

### HVAC Estimator – Donnelly Mechanical, Queens Village

Jun. 2019 – March 2021

- Estimated 250+ jobs with an above average 12% award rate on jobs worth around \$500,000 to \$6 million
- Introduced, developed, and establish a department wide standard on HVAC estimate template that can be applied to varies jobs
- Collaborated with 20+ top General Contractors in the city on 5+ multi-million dollar jobs and conducted bid reviews with their project managers
- Coordinated and evaluated 2 stations expansion project with MTA and LIRR for total of \$4.9 million dollar contract
- Negotiated with 20+ HVAC vendors in the city for the best competitive price

## SKILLS

**Novice:** Python, Sass, Materialize, MySQL

**Intermediate:** HTML, CSS, Bootstrap, Git, HTTP/REST, Git Bash, Chrome DevTools, NPM

**Advanced:** JavaScript, React, Redux, Node.js, Express, MongoDB, VS Code

## EDUCATION

### New York University, Tandon School of Engineering

May 2017

*Bachelor of Science in Mechanical Engineering*

**Relevant Coursework:** Data analysis, Statistics, Probability, Linear Algebra, Data Structure, MATLAB, Discrete Mathematics, Senior Design