

THOMAS M. CLAYDON

Full Stack Software/Mechanical Engineer

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SUMMARY

Professional Full Stack Web Developer who is passionate about cross technology integration. Prior experience in mechanical engineering (2+ years) working as a HVAC/Plumbing design engineer and (9+ years) in the construction industry as Laborer, Drafter, and Manager. Offering flexible technical and management skills suited for a dynamic working environment and a strong willingness to take on new languages and technical topics.

PROGRAMMING TECHNICAL SKILLS

HTML5, CSS, LESS, SASS, JavaScript, React.js, Redux.js, Node.js, Express, PostgreSQL, SQLite, knex.js, jestjs.js, Heroku, Netlify, GIT, Python, C

PROJECTS

Moodbot

Feb. - March 2019

Moodbot is an app that helps project manager's track team morale during a team's lifecycle. It provides the manager with the ability to send slack surveys to team members, record responses and display reports.

- This was a team project consisting of 6 members and required 5 weeks to develop.
- Greatly contributed to internal api's, third party api integration, database configuration, server/database deployment and management of team members throughout the projects duration.
- Experienced applying new third party api's like Auth0, Stripe, Slack and Graph.js.
- Overall architecture consisted of CSS, React-Strap, React.js, Redux.js, Node.js, Express.js and PostgreSQL.
- The Deployed Link: <https://moodbotics.com/>

One Line A Day

Jan. 2019

One Line a Day is a personal journal allowing the user to create a profile, initializing a new journal fitted with 10 years' worth of entries starting from the initial date of registration.

- Overall architecture consisted of LESS, React.js, Redux.js, Node.js, Express.js and SQLite.
- The Deployed Link: <https://www.one-line-a-day.com/>

Community Notes

Dec. 2018

Community Notes App is a note-taking app accessible by any individual who wishes to participate.

- Overall architecture consisted of LESS, React.js, Redux.js.
- The Deployed Link: <https://www.community-notes.com/>

EXPERIENCE

Lambda School Academy of Computer Science and Web Development

March - April 2019

Teaching Assistant - Web Development

- Acted as a medium between the class instructor and team members, providing materials, references, guidelines and instruction when required.
- Provided over watch during the project duration, spotting pitfalls regarding teammate miscommunication, and improper or poorly thought out solutions. Responded with precise guidelines in order to steer them in a productive direction.
- Helped solve looming problems associated with deployment, database/server architecture and version control.
- Oversaw daily standup meetings for 10+ students to facilitate communication between the team members, providing the opportunity to speak out about concerns or problems regarding the project state.

Rose Wood Shop, Portchester, NY

May. 2016 - Present

Drafter/ Estimator

- Served as the project drafter creating detailed shop drawings for custom cabinet manufacturing.
- Acted as a project estimator, reviewed architectural drawings and calculated pricing for project proposals.

Collado Engineering, White Plains, NY

Sept. 2014 - Oct. 2016

Mechanical/Plumbing/Fire Protection Consulting Engineer

- Served as a project manager and engineer to manage teams of 3+ engineers in a fast-paced working environment.
- Produced complete designs of mechanical, plumbing and fire protection building systems in the Tri State Area.
- Collaborated with owners, architects, building officials, and contractors to provide these solutions.

EDUCATION

Lambda School Academy of Computer Science and Web Development

Oct. - July 2019

Lambda School is a 9+ month Software Engineering Academy that provides an immersive hands-on curriculum with a focus on computer science, software engineering, and web development.

- Approached coding challenges with and without pair programming.
- Utilized agile software development and Git workflow on all projects.
- Gained hands-on experience with client and server testing.
- Completed all curriculum course work including: HTML5, CSS, Javascript, React, Redux, Node, Express, Python, C
- Wrote production-ready code using React, Redux, Node and Express to build single page applications.

Manhattan College, Riverdale, NY

B.S. Mechanical Engineering

Sept. 2010 - May 2014