Francine Houston | Full Stack Engineer

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Lansing, MI | [Portfolio]| [LinkedIN]

Summary

I'm a Full Stack Software Engineer with a background in graphic design and apparel manufacturing/engineering. I solve problems by designing, developing, and modifying software systems using scientific analysis and mathematical models to predict and measure outcomes and consequences of design. I am highly skilled in teamwork, creativity, and communication skills. Additionally, I also write supporting code for web applications or websites.

Skills

Languages:HTML, CSS, Javascript, Python, Swift | **Libraries and Frameworks**: React, Express .JS, Node .JS | **Databases**: MongoDB | **Other**: Restful Routing, JSON, Postman, GitHub, VS Code, Trello, Figma, Adobe Creative Cloud (Adobe Photoshop, Adobe Illustrator, InDesign, Adobe Acrobat), Microsoft Office, Canvas | Full-Stack Architecture | OAuth, APIs, DOM | Wordpress

Software Engineering Experience

General Assembly Full Stack Engineering Fellow Sept. 2024- May 2025
- Completed 480+ hours of hand-on training in full stack development
- Build 4 end-to-end web applications with 100% deployment

Projects:

Django Group Project | BabelBot Django CRUD App Group Project | [Link] [Github]) | May 2025
Technology: Django, Full stack development, Python, HTML, CSS, PostgreSQL, Javascript
Project Description: Worked with a team will build a Django application with full CRUD that allows users to create, edit, and delete language translation entries. Users can also search for specific translations and view their history. The app uses a PostgreSQL database to store the translations and user data.

- Developed the frontend development creating Django templates using HTML and Python.
- Worked on the CSS files that go along with the HTML templates as well.

Full Stack Development | Food Diary App(MERN Stack Crud App | [Link] [Github-frontend], [backend] | March 2025
Technology: React, MongoDB, Node.JS, Express, Postman
Project Description: Developed a full stack CRUD app that helps the user keep track of what they eat, how much they weight, nutrition goals and reminders

- Built a web application as a full stack engineer, building the front and back end of the application.
- Troubleshooted the routes in Postman before building the front end in React..

Back-End Engineer | BucketList: Travel Planner App (MEN stack Crud App)| [Link] [Github] | January 2025
Technology: HTML, JavaScript, Node. JS, Express, Mongoose, CSS, React…
Project Description: Completed a full-stack development project, focused on both frontend and backend development.

- Built a travel planner where you can plan your trips big or small, adding details and destinations.

Front-End Engineer | Color Matching Memory Game Browser Based Game **|** [Link], [Github], | November 2024
Technology: HTML, CSS, JavaScript
Project Description: Focused on redesigning a high-traffic website to improve user engagement and functionality. Collaborated with a team of 3 developers and marketers to ensure a user-centric design approach.

- Created a color matching game to help people have a better memory
- Developed a color matching memory game to help people with Alzheimer's
- The app is made of squares that have several different colors inside each square, you match the colors up to win.

Design Experience

Industrial Seamstress | Peckham | City | June 2015–present

Role Description: Apprentice Sewer

- Engineer garments/clothes for the military preparing patterns to reduce sewing errors.

- Optimized workflows to increase production and reduce costs and meet daily production quotas.
- Improved user experience by ensuring each garment is produced efficiently for actual use.
- Managed quality assurance utilizing adaptability, leadership, communication resulting in improved systems and team bonus incentives.

Freelance Graphic Designer | Online | Michigan   March 2005 - present

- Produced book covers for various publishing companies resulting in increased book sales and higher customer satisfaction.
- Designed websites, posters, flyers, bookmarks, e-books yielding higher class attendance to meet company goals.

Social Media/Assistant Designer | Online | Art Impact Marketing | Southfield, MI   June 2013- Dec 2022

- Designed embroidered patches for local business to promote sales and business growth.
- Created a marketing deck and creative pitch for owner to use with funders to increase seed money.

Education

Software Engineering Immersive | General Assembly | Remote   September 2024- May 2025
Part-time immersive program in Software Engineering, consisting of 480+ hours of project work, professional training, and mentorship.
Executed end-to-end Full stack Development for 4 projects from the front end engineering, back end engineering, full stack development,
APIs: worked fully remote with teams using Python and Django. Received a certification in Software engineering where I learned languages,
databases, and other elements for web development.

Certification UX Design Foundations | YellowBrick, Parsons | Online   Sept 2023
Certification iOs Developer | Grand Circus | Online   Sept 2023
Associates in Fine Arts in Fashion Design | IADT | Troy,MI   2008
Bachelor's in Fine Arts in Communication Design | College for Creative Studies |Detroit MI   May 2005
Associates of Applied Science in Graphic Design | Mott Community College |Flint, MI   2001