SARAH TWENEBOAH

Frontend Engineer

CONTACT

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Location: Fort Lauderdale, FL (Willing to Relocate)

GitHub: https://github.com/tweneboahs

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SKILLS

- HTML
- CSS
- JavaScript
- React
- Git

LICENCES/ CERTIFICATES

- EIT
- Scrimba - The Frontend Developer Career Path
- Educative - Web Development Unraveling HTML, CSS and JavaScript

EDUCATION

- Columbia University | New York, NY | 2015 - 2017

  Master of Science in Structural Engineering
- University of Florida | Gainesville, FL | 2009 - 2014

  Bachelor of Science in Civil Engineering

RELEVANT COURSES

- Computer Methods for Civil Engineers
- Linear Algebra
- Probability and Statistics for Engineers
- Finite Element Analysis

SOFTWARE

AutoCAD, Revit, ETABS, Bluebeam, RISA 2D, SAP2000, L-Pile, SAFE, Microsoft Office

SUMMARY

I made a transition from structural engineering to start a career as a frontend engineer. I took the past year off in order to teach myself the fundamentals of frontend design.

I can see many similarities between the world of structural and software engineering. Being self motivating, considering trade-offs, performance, the life cycle of projects and creating documents that are easy to understand and clean. This is why I am looking for a company where I can transfer these aspects I have already learned into my new role.

PERSONAL PROJECTS

HUNGRY-DOT

- Designed a game where a player has to "eat" a certain amount of dots in order to advance to the next level or win game.
- Created functions which allowed for the player to use key strokes to move across the gameboard
- Used JavaScript, HTML and CSS to complete project.
- https://github.com/tweneboahs/hungryDot

DRINKS ON ME

- Built an app allowing user to search for drink recipes.
- Used the fetch method in JavaScript, in order to load data using an API
- Used CSS grid in order to make the app responsive
- Used JavaScript, HTML and CSS to complete project
- https://github.com/tweneboahs/drinksOnMe

WORK EXPERIENCE

MRCE | New York, NY | June 2019 - Nov 2020 | Structural Engineer

One of the first foundation engineering firms in NYC. Office has expanded across the Northeast, employing structural, geotechnical and CAD engineers.

- Performed long term on site investigations. Designed foundation structural elements considering soil, water and existing conditions.

KPFF | New York, NY | September 2016 - June 2019 | Structural Engineer

Structural and civil engineering firm with more than 1,000 employees in 20+ offices across the continental US.

- Managed projects throughout design cycle, including meetings with design team, coming up with structural framing layout, creating drawings, responding to RFI's, and attending site visits
- Designed ground-up structures and retrofits including sizing structural elements, checking deflections, and designing connections

KPFF | Portland, OR | May 2016 - September 2016 | Structural Intern

- Created a script using Visual Basic in Excel in order to input loads into an ETABs model, making the process more efficient
- Created drawings and a calculation packages to be reviewed by the building department