James Crews

Associate Software Engineer

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SKILLS

`ReactJS` `Typescript` `C#` `Graphql` `Azure` `Material UI` `CI/CD` `git` `.NET core` `NUnit` `SpecFlow`

WORK EXPERIENCE

Associate Software Engineer (Full Stack)
Schweitzer Engineering Laboratories

10/2020 - Present   *Lynnwood, WA*

- Collaborated with UI/UX team from design to implementation of dozens of new UIs that improve user's workflows.
- Implemented new edit session feature that persists user's changes, allowing them to navigate between projects without having to save.
- Created 10+ new API endpoints as well as improved the speed of existing ones.
- Contributed reusable React components to an internal library shared across the company.
- Wrote extensive test coverage for each new feature being implemented.

Control Systems Engineer
Process Solutions

04/2018 - 10/2020   *Stanwood, WA*

- Created a tool in C# that generates 80% of PLC logic for our most common project types.
- Redesigned all Wonderware HMI UIs to be object based resulting in significant reduction in development time.

PERSONAL PROJECTS

Zest (11/2021 - Present) ⬀
- Website for saving and easily viewing your favorite recipes.
- Features include: Uploading recipes with photos, browsing available recipes and saving liked ones to your account.

Vinyl Discord Bot (11/2021) ⬀
- Discord bot that takes song requests and plays them in the requesting user's voice channel.

Chess AI (08/2020) ⬀
- Chess AI that uses the Min-Max game algorithm to determine its moves.

Path Finding Visualizer (07/2020) ⬀
- Full stack react app with node backend that animates famous path finding algorithms.

Sorting Visualizer (06/2020) ⬀
- React app that animates array sorting algorithms including merge sort, heap sort , and quick sort.

EDUCATION

B.S. Mechanical Engineering
Washington State University

08/2015 - 12/2017   *3.8*

A.A.S. Mechanical Engineering
Green River Community College

09/2013 - 06/2015   *3.5*