Isaac Wengler

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Education

University of Missouri – Columbia GPA: 3.95/4.00
Bachelor of Science in Computer Science, Minor in Mathematics *Expected May 2023*

Skills

Languages: Java, Python, C#, TypeScript, JavaScript, SQL, HTML, CSS
Frameworks: React, Angular, .NET, Django, Redux, Kubernetes
Tools: Git, Linux, Kubernetes, Splunk, RabbitMQ, Grafana, SwaggerHub

Experience

Software Engineer Intern May 2021 – Aug 2021
Veterans United Home Loans *Columbia, MO*

- Worked on operations team as a full stack engineer developing a widely used company web application
- Developed a RESTful API for managing loan documents, focusing on modular object-oriented design
- Integrated document viewer and editor in the frontend, speeding up user workflow by 20%
- Unit tested all projects through Test-Driven Development with over 95% code coverage
- Communicated with team in an Agile environment and collaborated by pair programming
- Contributed clean, functional code that was deployed to production on a regular basis
- Improved CI/CD processes by transitioning to container environments with Kubernetes

C#, .NET Core, TypeScript, Angular, Kubernetes

Projects

Goal Tracker Mar 2021 – Apr 2021

- Developed a full stack web application using a Django REST API with user authentication and tokens
- Integrated React and Redux on the frontend, complete with error handling messages and smooth transitions
- Created as a platform for users to track goals by updating their progress and staying motivated

Django, Python, React, Redux

Interactive Pathfinding Algorithms Jan 2021 – Feb 2021

- Created website interface to experiment with graph-traversal pathfinding algorithms and see the process
- Implemented several complex graph-traversal algorithms, including Dijkstra's and A* Search

React, CSS, GitHub Pages

Interactive Sorting Algorithms Dec 2020 – Dec 2020

- Programmed graphical user interface in Python to test and visualize sorting algorithms
- Implemented Quick Sort, Merge Sort, Heap Sort and more with ability to change array size and colors

Python, PyGame

Portfolio Website Nov 2020 – Dec 2020

- Designed and built website to showcase project demos while improving UI frontend development skills
- Administered responsiveness and an attractive UI design to create an enjoyable user experience

JavaScript, HTML, CSS, Amazon Web Services

BlackJack May 2020 – Jun 2020

- Created animated BlackJack game with realistic gameplay and interactive interface
- Made the game entertaining by implementing extra features for replayability

JavaScript, HTML, CSS

Extra

Volunteering: Worked over 200 hours supporting people in St. Louis, distributing goods and donations
Achievements: High Dean's Honor Roll, University of Missouri Engineer's Club Scholar and Chancellor's Award