

**EMPLOYMENT**

---

<b>Software Developer</b>	<b>Vesst</b>	<b>Dec 2019 - Present</b>
<ul style="list-style-type: none"> <li>Structured full design and API systems with high-scalability and performance in mind; refactored APIs, schemas, and models across several projects improving maintainability of code and reducing the frequency of bugs experienced.</li> <li>Integrated caching of requests and queries made by services for reduced wait times and faster client-side performance.</li> <li>Solved obscure issues and downtime related to database and web server setup, preventing further downtime and loss; managed several large-scale projects simultaneously.</li> </ul>		
<b>Software Developer</b>	<b>Lexxify</b>	<b>Feb 2020 - Nov 2020</b>
<ul style="list-style-type: none"> <li>Redesigned the entire application ranging from infrastructure to actual implementation for a more efficient, high-quality product and user experience.</li> <li>Established internal documentation and practices to reduce overhead and improve developer experience.</li> <li>Built utilities and APIs to be used for internal and external consumption providing more consistency in responses, behavior, and ease of use</li> <li>Incorporated project management techniques to maintain constant growth, increase frequency of updates, and ensure that there was constant collaboration across the team.</li> </ul>		
<b>Software Developer</b>	<b>Lets-go.design</b>	<b>Jul 2019 - Dec 2019</b>
<ul style="list-style-type: none"> <li>Added and maintained new features to both the admin and user-facing parts of the application, increasing exposure and adoption of the product.</li> <li>Obtained knowledge and guidance on best practices and asynchronous collaboration, resulting in a greater focus on quality through documentation and code review.</li> </ul>		
<b>Software Developer</b>	<b>CarbonWebPrint</b>	<b>Jan 2019 - Jul 2019</b>
<ul style="list-style-type: none"> <li>Built a reporting dashboard for clients to view analytics resulting in increased profits and client retention.</li> <li>Furthered collaboration skills through the instruction of colleagues and pushed for changes in architecture, translating into more clients and projects.</li> </ul>		

**PROJECTS**

---

**Layout Hierarchy and UX**

- Developed a comprehensive Python application which implemented AWS Alexa APIs, scraped pages, and performed image manipulation using OpenCV to standardize results and maintain constant features.
- Implemented a clustering algorithm to determine commonalities in most popular global website layouts, and designed several layout variants based on clustering results.
- Built a web app to randomly display a variant to a user and record their behavior; analyzed user behavior by looking at various metrics and patterns associated with layouts.
- Wrote an extensive research paper detailing the process, results, and implications, as well as possibilities for future research and real-world implementation.

**BoardVitals QA**

- Reverse-engineered API requests to automatically query and parse exam questions/answers from a bank based on exam ID and authentication cookies. Manipulated API responses to display data concisely using JSON, implemented basic throttling to reduce the frequency of requests.

**SKILLS**

---

(proficient): PHP, Laravel, JavaScript, HTML/CSS, React, Vue, Git (familiar): SQL, Python, Unix, AWS