

JUSTIN VARIARA

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EDUCATION

University at Buffalo, The State University of New York

Bachelor of Science in Computer Science

Buffalo, NY

December 2023

EXPERIENCE

Evaluation Tool Research Project

Aug. 2023 – Dec. 2023

University at Buffalo

Buffalo, NY

- Innovatively improved the UI/UX of the teamwork tool, optimizing instructors' ability to effortlessly generate and administer peer and team feedback, thereby enhancing the overall user experience
- Spearheaded the front-end team in a strategic transition from vanilla HTML, CSS, and JavaScript to React, fostering re-usability of components and significantly elevating project scalability and maintenance efficiency
- Utilized Git version control and the GitHub interface to work and thrive in a collaborative team environment with a group of 5 people which reduced merge conflicts by 90%
- Contributed significantly to the project team's success, securing 9th place out of 70 groups in a computer science projects conference, highlighting adept problem-solving and project execution abilities

Independent Study

Aug. 2023 – Dec. 2023

University at Buffalo

Buffalo, NY

- Collaborated with a professor at the University at Buffalo to lead an independent study project focused on modernizing the architecture of a React frontend boilerplate codebase
- Successfully overhauled the existing class components within the codebase, strategically transitioning to highly efficient and maintainable functional components, thereby elevating code readability and performance
- Applied advanced knowledge of React and JavaScript to refactor and optimize code, delivering tangible improvements to the user experience and significantly reducing page load times for the application

Undergraduate Teaching Assistant

Jan. 2023 – May 2023

University at Buffalo

Buffalo, NY

- Conducted in-depth interviews with over 100 students, utilizing Microsoft Excel to assess their understanding of coding concepts such as Object-Oriented Programming (OOP) and data structures
- Provided mentorship to 500+ students during office hours, offering guidance on Java code-related problem-solving and debugging

Frontend Developer Bootcamp | Certificate

Nov. 2022 – Dec. 2022

Frontend Simplified

- Transformed a completely static HTML, CSS, JavaScript and React single page application into an interactive user interface through the use of animations, transitions and carousels
- Processed API requests to dynamically represent data from a cloud server and represented it through skeleton loading states, pagination, and dynamic routing

PROJECTS

CircleUB | React, CSS, Zenhub, Figma, GitHub, Agile

- Collaborated closely with a team of 5 total members in an agile/scrum environment, utilizing Zenhub for project management, ensuring timely delivery of features and successful completion of milestones
- Pioneered the development and implementation of a real-time direct messaging feature using React within the CircleUB social media app, revolutionizing user communication by enabling instant and efficient messaging
- Conducted A/B testing to validate design changes, resulting in an increase in user satisfaction
- Achieved a 60% improvement in issue identification and resolution through comprehensive testing and debugging, ensuring heightened app stability, performance, and usability

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5/CSS3, Java, Python, Scala, C, SQL, MongoDB

Frameworks/Libraries: React, Next.js, Node.js, Express.js, Flask, JUnit, Material-UI, Styled Components, Tailwind CSS, Matplotlib, Pandas, Prisma, Redux

Developer Tools: Git/Github, Docker, VSCode, PyCharm, IntelliJ, Postman, Emacs, Trello, Figma, npm, Unix