

# JON CHRISTIE

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## SUMMARY

- Web developer and coding instructor with 4 years' experience in development and coding.
- Strong background in education, with excellent communication, problem-solving, and time-management skills.
- Passionate about collaborating and optimizing technology to improve the lives of others and future generations.
- Team player and a strong ability to partner with people from diverse backgrounds.
- Advocate for using technology to improve sustainability, automate and simplify daily tasks, and reduce carbon footprint.
- Seeking to advance active learning and increase the accessibility of education through technology at a company committed to social impact.

## TECHNICAL SKILLS

React, Tailwind, Typescript, JavaScript, React Native, HTML5, CSS3, Less, Sass, ES6, MUI, NodeJS, NPM, CI/CD, RESTful APIs, Webpack, OAuth, GitHub, Git, Firebase, MongoDB, Google Assistant, Amazon Alexa, AWS, Google Cloud, AI, LLMs, ChatGPT, Prompt Engineer

## EXPERIENCE

### Asksage.ai

May 2023 – Present

#### Frontend Developer

- Overhauled the frontend of the Asksage.ai website, resulting in a 45% improvement in page load speed
- Collaborated with a cross-functional team of backend developers and a UX/UI designer to design, develop, and implement user-friendly chat interface for interacting with ChatGPT, boosting user engagement by 50%.
- Implemented automated testing practices with Jest and React Testing Library, leading to a 20% reduction in bugs.
- Utilized responsive design to ensure optimal viewing across various devices, increasing mobile usage by 60%.
- Optimized the site for accessibility, ensuring WCAG 2.1 compliance and broadening the site's audience.
- **Technologies:** JavaScript, React, CSS, HTML, Python, Bootstrap, Jest, WCAG 2.1, Git

### Freelance

April 2021 – Present

#### Web Developer

- Upgraded gladisandco.com on WordPress using advanced CSS and JS tactics to accommodate very specific requests from the client improving customer satisfaction from a 60% to 90%.
- Implemented SEO practices including building backlinks, researching keywords, and optimizing on-page elements to take their current CTR of 0.78% and increase it to 1.15%, resulting in a 47.3% increase.
- Led team with 2 developers to build clients' website, sweetcloverbarn.com, with WordPress at client's request
- **Technologies:** WordPress, HTML, CSS, JavaScript, Shopify, Photoshop, Illustrator

### Varsity Tutors

Jun 2021 – Present

#### Coding Instructor

- Tutor 250+ students fundamentals of full stack programming, technologies, and concepts, maintaining a 100% success rate for student retention and feedback
- Led 200+ presentations and classes with 20-50+ students on HTML, JS, CSS, Express, Node, MongoDB, and React, and created lesson plans covering unique learning strategies for learning code, achieving a 94% successful review rating
- Teach, inspire, and motivate developers covering 20+ languages, technologies, paradigms, and concepts including React, React Native, JavaScript, HTML, CSS, jQuery, Python, OOP, React, AWS Cloud, Node, Express, and TypeScript

### TE21, INC

Jun 2016 – Dec 2018

#### EdTech Developer

- Led/implemented use of Python and MathML for math team, increasing rate of digitizing by 7.2X for 80K+ test items
- Managed 4 newly hired developers to execute digitization of 220K+ test items (each an object with 50+ entities, unique methods, and parameters), enabling seamless merge with parent company during acquisition
- Created content with scalar graphics to deliver 20k+ practice tests to 18 nationwide districts
- Met business/technical requirements for 18 districts adhering to core standards and implemented Python and MathML
- **Technologies:** WordPress, HTML, CSS, JavaScript, Shopify, Photoshop, Illustrator

## PROJECTS

### Portfolio

**GitHub** - <https://github.com/mathcodes/mathcodes.github.io>

**Jan 2023 – Present**

**Live app** - <https://www.jonchristie.net/>

- Utilized React Parallax and React Parallax Tilt to create dynamic parallax and tilt effects, adding a unique visual dimension to the app
- Utilized web-vitals to measure and optimize the app's performance, ensuring a fast and responsive user experience
- Implemented Tailwind-styled-components to build a customizable and responsive UI, allowing for easy styling changes
- **Technologies:** React, JavaScript, Tailwind CSS, Framer, React Parallax, State, Context

### ContentForDevelopers.com

**GitHub** - <https://github.com/mathcodes/contentfordevelopers>

**Oct 2022 – Present**

**Live app** - <https://www.contentfordevelopers.com/>

- Prompt and train over 20 collaborators by creating an extremely valuable learning experience in diversity, leadership, mentorship, growth, and professional development.
- Clean up code and replace MUI with Tailwind CSS, increasing scalability and performance by 10X
- Implement a series of testing types (unit tests, integration tests, QA, automated tests) and Agile processes (CI/CD pipeline using AWS), improving project reliability/scalability and decreasing development processes by 35%
- Program customization capabilities and set up easy refactoring for maintenance and working with teams
- **Technologies:** React, MUI, Tailwind CSS, HTML, JavaScript, SCSS, MDX-JS, DOM manipulation

### Marketing App

**GitHub** - <https://github.com/mathcodes/marketing-app>

**Dec 2022**

**Live app** - <https://marketing-app-demo.vercel.app/>

- Built lightweight, responsive, and feature rich full stack application with filter searches and modals
- Integrated Typescript and Tailwind into a NextJS application which includes auth, firebase, and a responsive UI
- Maintained small bundle size and scalable architecture with carefully crafted data structures, leading to contract renewal for new website with real estate client
- Integrated browser compatibility (Chrome, Edge, Safari, Firefox, Opera) and adhered to W3C Accessibility Standards
- **Technologies:** Typescript, JavaScript, Tailwind CSS, HTML, NextJS, React, DOM manipulation

### TypeScript-To-Do

**GitHub** - <https://github.com/mathcodes/typescript-tags-todo>

**Jan 2023**

**Live app** - <https://typescript-tags-todo.vercel.app/>

- Advanced to-do list using TypeScript and React where users can filter, create, delete, edit, and update notes
- Fully responsive with microservices architecture with more room for future development by adding overhead and management complexity
- **Technologies:** Typescript, JavaScript, Tailwind CSS, HTML

## EDUCATION

**2U Inc @ UNC at Chapel Hill**

**Aug 2020**

Full Stack Development Bootcamp

**UNC at Chapel Hill**

Bachelor of Arts in Mathematics

## SKILLS & INTERESTS

**Software:** Microsoft Office 365 (Word, PowerPoint, Excel, Outlook), Adobe Creative Suite, Visual Studio, Adobe Photoshop, Blender, Unity 3D, Canva, Figma, Postman, Insomnia, PyCharm, GitHub, Replit

**Interests:** Music, Performing and Recording Original Music, Traveling, Surfing, Technology, Yoga, Education, Sustainability, Mindfulness, Equality

**Languages:** Conversational Spanish