

ALLISON MARTZ

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Skills Summary

- **Frontend:** HTML, CSS/Sass, Vue, React, UI Libraries (Bootstrap, Tailwind)
- **Programming Languages:** JavaScript, NodeJS, Python, PHP
- **Databases/Backend:** MongoDB, MySQL
- **REST API Development:** Postman, Express
- **Cloud Platform:** AWS Services
- **CI/CD:** Git, CodePipeline, Amplify, Netlify
- **360/VR/AR/Data:** H5P, HighCharts, A-frame
- **Adobe Creative Suite:** Premiere Pro, Photoshop, Illustrator, WorkFront
- **Design Principles:** A11Y, Accessibility, Universal/Inclusive Design

Professional Experience

Multimedia Specialist

Pennsylvania State University | May 2019 – Present

- Experienced web developer in building UI components for Penn State World Campus online where I incorporate accessible and inclusive principles, as well as leveraging visual design theories to produce multimedia solutions for web-based platforms.
- Currently leading a web development project to re-build our team portfolio site for potential prospects. Overseeing all aspects of the project, including site planning, UX/UI wireframe/prototype design, and the development of a dynamic multi-page website. Demonstrating strong project management skills by coordinating resources, setting milestones, and ensuring timely progress.
- Assisted in developing an internal Vue web application to simplify our team video server processes in media encoding, retrieval, and storage interactions with AWS S3 and Glacier services. Applying a user-centric approach to design and optimize the website's user experience for increased engagement and conversion.
- User testing of new/potential technology integration for media delivery and interaction (i.e. video streaming solutions, immersive technologies, interactives, web components) on multiple platforms.
- Ability to develop and transform technical documentation process language to improve readability and process efficiency for both the client and builder.
- Thrives in a team setting, respecting diverse backgrounds and viewpoints, to achieve

timely completion of projects.

- Self-driven and passionate in learning innovative technical tools to optimize current processes, improve web load performance, and provide solutions suitable for delivery.

Group Fitness Instructor

Fitology Fitness Studio | Jan 2019 – Present

- Internationally certified instructor in Les Mills fitness programs.
- Experience leading group exercise classes with the ability to communicate and demonstrate correct form and methods to multiple fitness levels.
- Cultivates positive relationships with participants by interacting with them before, during, and after group fitness classes.
- Ensures exercise safety standards and protocols are followed.

Instructional Production Specialist

Pennsylvania State University | Jan. 2012 – May 2019

- Assisted instructional designers and faculty members to create and maintain over 30 high quality online courses for Penn State World Campus.
- Efficiently organize, prioritize, manage, and balance workload to successfully meet course production deadlines each semester.
- Experience with onboarding new personal, training of multiple inhouse systems, faculty course walkthroughs, technical tools, and unit operational processes.
- Lead developer in creating a design heavy non-credit template, which entailed, collaboration with multiple unit team members, following responsive design, accessibility, and user experience protocols.
- Ability to communicate and deliver design concepts to stakeholders in written and oral briefings/presentations.
- Work closely with unit team members to analyze the effectiveness of in-house processes and provide recommendations for process change to increase productivity.
- Involved in multiple unit pilots, LMS and third-party tool explorations, World Campus strategic goal initiatives, which have entailed development, problem-solving, use case considerations, user testing, and analysis for innovative developments.

Education

The Pennsylvania State University

Bachelor of Science in Security and Risk Analysis | Summer 2022

Emphasis: Information and Cyber Security

The Pennsylvania State University

Associate of Science in Information Sciences and Technology | Fall 2016

Emphasis: Security and Risk Analysis

Certifications

National Security Agency Certificate
Pennsylvania State University

Les Mills International
Certified Instructor: Core | The Trip

References available upon request