

Valeria Green

Frontend Engineer | UI/UX Designer | Programmer

Contact



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Education

B.S. INFORMATION TECHNOLOGY

George Mason University — Fairfax, VA | 2019

- Concentration: Web Development & Multimedia
- Minor: Computer Science

Summary

Frontend Engineer with 5+ years of experience developing performant, accessible, and data-driven web applications using React, JavaScript, and modern UI frameworks. At Booz Allen Hamilton, led front-end development within NASA's Science Mission Directorate, architecting scalable interfaces that visualize millions of geospatial data points and adhere to strict accessibility standards. Skilled in building component-based systems, integrating APIs, and aligning with design systems to deliver secure, intuitive user experiences.

Skills & Experience

- **Frontend:** React (6 yrs), JavaScript (6 yrs), HTML5 (6 yrs), CSS3 (6 yrs), Vite (2 yrs), ArcGIS Maps SDK for JavaScript (3 yrs), Calcite Design System (3 yrs), SASS (2 yrs), Angular (1 yr), TypeScript (1 yr), NextJS (1 yr)
- **Testing, E2E & Accessibility:** Jest (2 yrs), Google Lighthouse (2 yrs), WebAIM (2 yrs), Jest-axe (1 yr), Cypress (1 yr), Vitest (1 yr), React Testing Library (1 yr)
- **Backend:** NodeJS (6 yrs), RESTful API (4 yrs), Python (1 yr)
- **State Management:** Redux (2 yrs), Context API (1 yr)
- **Cloud & DevOps:** AWS S3 (2 yrs), AWS EC2 (1 yr)
- **Version Control & CI/CD:** Github (6 yrs), Gitlab (4 yrs)
- **Design & Prototyping:** Figma (3 yrs), Adobe XD (2 yrs)

Experience

SOFTWARE ENGINEER, 2

Booz Allen Hamilton, NASA Science Mission Directorate — July 2021 to Present

- Led front-end architecture for NASA data visualization apps, scaling interfaces to handle over 1M+ records.
- Architected and deployed high-performance ArcGIS web applications leveraging modular component systems.
- Rapidly prototyped web applications in Figma, reducing stakeholder review cycles by 20%.
- Conducted regular accessibility audits with Lighthouse, improving average accessibility scores from 82 to 90+.
- Mentored engineers on React/JavaScript standards and accessibility best practices.

SOFTWARE DEVELOPER

Pragmatics — May 2019 to July 2021

- Developed single-page ReactJS applications, enhancing user experience with faster load times and smoother interactions.
- Increased test coverage by 40% through unit tests with Jest and Cypress, reducing application defects.
- Designed and delivered 4+ mockups in Adobe Xd for UI/UX enhancements.
- Ensured WCAG 2.1 compliance across React applications by integrating jest-axe, reducing accessibility defects by 20%.

COMMUNICATIONS & WEB DEVELOPMENT INTERN

American Association for the Advancement of Science (AAAS), S&T Fellowships — Jan 2019 to Apr 2019

- Designed and coded email newsletters and resolved HTML/CSS issues within Marketo.
- Maintained Drupal CMS pages, supporting 10+ monthly content updates.
- Provided expertise on responsive web design best practices.

CREATIVE TECHNOLOGIST INTERN

Northrop Grumman — May 2018 to Dec 2018

- Created newsletters, and infographics using Adobe Creative Suite.
- Maintained public-facing CMS web pages that supported 400+ monthly visitors.
- Provided front-end development consulting to internal teams.

Volunteer Work

TECH OPS LOGISTICS

Music And Gaming Festival (MAGFest), Inc. — Jan 2018 to Present

- Assists with large-scale network setup, including cabling and configuration.
- Provides frontend expertise for a website redesign focusing on improving structure and visual appeal.
- Designed and implemented an attendee-facing schedule interface themed to the annual design, used by 1,000+ visitors.