

KRISTEN MICHELLE VAN NESTE

FRONT-END WEB DEVELOPER

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TECHNICAL SKILLS

- ♦ **Languages:** HTML5, CSS3, JavaScript, TypeScript
- ♦ **Databases/App Services:** AWS, Google App Engine, Microsoft Azure Web Services, MySQL
- ♦ **Dev Tools:** VS code, GitHub/GitLab, Jira, Google Tag Manager, Google Analytics, Figma, AdobeXD
- ♦ **Other:** Git, NPM, Responsive design, Accessibility, User Authentication, REST API
- ♦ **Frameworks/Libraries:** Vue, React, Jest, Material-UI, MapboxGL JS, React-Map-GL, Deck.GL, Recharts, D3, Leaflet

Public APPLICATIONS

U.S. Census Bureau

Jun 2022 - Present

Lead UI/UX Engineer focused on enhancing the Dept of Commerce's interactive application for official Census Bureau data distribution. Part of an Agile Development Group where I used D3, Mapbox, Vue3, TypeScript, Figma, and Jest to update the codebase, build interactive features, and improve data visualizations. Explore the webpage [here](#).

Microsoft's Planetary Computer - Analytics Lab + Ai for Earth

Dec. 2021

Built and deployed three web applications (listed below) for the launch of Microsoft's Planetary Computer and designed the landing page for the [Analytics Lab](#). Worked closely with data scientists and biologists as the only front-end developer on this project.

- ♦ [Connectivity Across U.S. Agricultural Lands](#)
- ♦ [Assessing Anthropogenic Impacts](#)
- ♦ [Monitoring U.S. Forest Change at Scale](#)

EXPERIENCE

Booz Allen Hamilton

Lead Front-End Engineer

Apr 2023 - Present

♦ Lead a team of web developers in an agile development system. Manage sprint schedules, and oversee user stories and feature deadlines. Collaborate with UX Designers to build story-telling web applications and intricate data visualizations.

Front-End Engineer

Jan 2022 - Apr 2023

- ♦ Built interactive geospatial dashboards designed to assist government leaders in predicting natural hazards.
- ♦ Completed multiple Department of Defense contracts where I led presentations, marketed products to clients, and provided feedback on UX designs with product owners.
- ♦ Mentored new hires and helped data scientists build restful APIs to support full-stack web applications.

Conservation Science Partners - Front-End Web Developer

Dec 2020 - Jan 2022

- ♦ Specialized in building interactive web maps displaying environmental data for clients such as Microsoft, American Farmland Trust, and the Bureau of Land Management.
- ♦ Managed correspondence between backend engineers and clients regarding app production and design.
- ♦ Familiar with languages and tools such as Python, Docker, Tippecanoe, Google App Engine, and Google Analytics to transform the dashboards into full-stack web applications.

Pivoted Career from Wildlife Biologist/Data Engineer to Front-End Web Developer

Mar 2020 - Dec 2020

- ♦ Utilized the pandemic to learn JavaScript and React to build modern web applications. Attended Web Dev Bootcamp.

National Park Service & Oregon State University, Clemson University - Wildlife Biologist

May 2017 - Mar 2020

- ♦ Studied the ecology of carnivores, including mountain lions, fishers, and bobcats by trapping, tracking, and collecting genetic samples in order to draw evidence-based conclusions for scientific research.
- ♦ First Wildlife Biologist to study spotted skunks on both the East and West Coasts.
- ♦ Independently conducted two field research projects that determined the impact of white-nose syndrome on bat populations in Tennessee and the impact of invasive *Phragmites* on duck populations in coastal NJ.

EDUCATION

Rutgers University, New Brunswick - <i>Professional Certificate in Web Development</i>	Jul 2020 - Oct 2020
University of Delaware, Newark - <i>Bachelor of Science, Degree with Distinction</i>	Sep 2013 - May 2017