

ANDREW VANNESS

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WORK EXPERIENCE

Eastern Research Group, Inc.

Web Developer

May 2018 – Present

Lexington, MA

- Converted an outdated natural disaster management website to a full-stack Vue/PHP/MySQL application used by the Department of Homeland Security
- Developed an EPA application for the public to view local water quality data using React and Esri's ArcGIS JavaScript API to produce high-detail informative map visualizations
- Created an internal browser extension for the CDC to automate the process of reporting fraudulent COVID-19 preventative products on online marketplaces including Amazon and eBay
- Rebuilt the home page of a government waste management website to reduce page load times by 80% and improved SEO to increase site traffic from 1,000 monthly users to consistently over 20,000
- Achieved 100% test coverage and full WCAG accessibility compliance on a flagship EPA React application

Bridgewater State University

Computer Science Teaching Assistant

Aug 2017 – May 2018

Bridgewater, MA

- Assigned and graded Python assignments and exams
- Tutored students individually and held weekly sessions with the entire class to review course material

Town of Falmouth

Website Intern

April 2017 – Aug 2017

Falmouth, MA

- Updated and maintained the town website through a CMS

PROJECTS

How's My Waterway

React, NodeJS, Esri
A map-centric, open source, progressive web application that pulls data from multiple systems at the EPA to provide a user with an overall picture of their water quality.

<https://mywaterway.epa.gov/>

Colorblindly

Chrome Extension
Chrome extension for simulating colorblindness on any web page. Featured on VICE's Motherboard.

<https://uxpro.cc/toolbox/colorblindly/>

Jamie Bot

React, NodeJS, MongoDB
Discord bot for seamlessly searching and sharing images, videos, news, and more.

<https://jamiebot.com/>

EDUCATION

Bridgewater State University

B.S. Computer Science

Aug 2014 – May 2018

Bridgewater, MA

SKILLS

- Languages: Vue, React, JavaScript, HTML, CSS, WordPress, PHP, SQL, NodeJS
- Tools: Github, GitLab, Invision, Jira, Visual Studio Code, Heroku, Digital Ocean