Andrew **VanNess**

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Work Experience

Eastern Research Group, Inc.
Lexington, MA
WEB DEVELOPER
May 2018 – Present
- Converted an outdated natural disaster management website to a full-stack Vue/PHP/MySQL application used by the Department of Homeland Security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 fradulent 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
Bridgewater, MA
COMPUTER SCIENCE TEACHING ASSISTANT
Aug 2017 – May 2018
- 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
Falmouth. MA
WEBSITE INTERN
April 2017 – Aug 2017
- Updated and maintained the town website through a CMS
- Automated time-consuming IT processes by writing a script to identify water bills made in error and flag them for manual review

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
Bridgewater, MA
B.S. IN COMPUTER SCIENCE
Aug 2014 – May 2018

Skills

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