Dylan Phelan
Lead Web Developer @ MITRE

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Hi, I'm Dylan! I'm a web developer with 6+ years experience working on healthcare, social justice, and benefits delivery projects. I've created UI's using React and Vue, CLIs and APIs using Node.js and Python, ML models using Python, and architecture diagrams/roadmaps to support projects as a technical lead.

Vue Resume

Education

MS, Tufts University
Computer Science
2018 - 2021, 4.00
Completed Part-Time

BS, Tufts University
Computer Science, Minor in Philosophy
2012 - 2016, 3.87
Summa Cum Laude

Skills

●●   ●●●   ●●●●   ●●●●●
> 6m   > 1yr   > 2yr   > 4yr

Skill	Level
HTML	●●●●●
React	●●●●●
Vue	●●●●○
Create React App	●●●●●
Nuxt.js	●●●○○
Next.js	●●○○○
Bootstrap	●●●●○
CSS	●●●●●
Tailwind	●●●●○
SASS	●●●○○
JavaScript	●●●●●
Node.js	●●●●○
Python	●●●●○
HL7's FHIR	●●●●○
GitHub Pages	●●●●○
Vercel	●●○○○
Docker	●●●○○
CI/CD Automation	●●●○○
Eslint/Prettier	●●●○○
Balsamiq	●●●○○

Experience

MITRE Corporation   *Lead Web Dev, 2021 - Now*
Technical lead, developer, intern   *Senior Web Dev, 2018 - 2021*
lead, dept. presentation coordinator   *Web Dev, 2016 - 2018*
- Current technical lead & developer on MITRE's oncology moonshot, accelerating cancer data-standards adoption with Open Source applications for data capture, transformation, and visualization
- Prior technical lead & developer for 3+ software teams in charge of Open Source web applications, CLIs, APIs, visualizations, rich-text editors, multipage forms, and more
- Developer for 12+ MITRE projects in oncology, social justice, benefits delivery, and COVID-19
- Runs department presentation series, executed 25+ presentations and project feedback sessions
- Co-leads department internship program, mentoring 12+ undergraduate and graduate interns

Work Projects

Unemployment Benefits UI Prototype   *Tech Lead & Web Dev, Mar - Sept 2022*
Streamline unemployment insurance benefits

`Vue` `Nuxt` `Tailwind` `Express`

- Created Vue UI to enable research on improving user experience for accessing unemployment benefits
- Implemented Express API for creating, updating, and reviewing unemployment applications
- Distilled MVP requirements from EOY objectives and research team's experimental scenarios
- Balanced competing needs for a rapid prototype and potential use-case pivots

MITRE's Social Justice Platform 🌐 🌐   *Web Dev, Jan - Sept 2022*
Exhibit MITRE's social justice work in one place

`Vue` `EJS` `NGINX` `Express`

- Coordinated with MITRE researchers to build web-based interactive report, "The Racial Wealth Gap and Your Household Finances"
- Ported Streamlit and NumPy prototype to HTML/EJS aligned with sjp.mitre.org's design system
- Integrated Chart JS into our admin-authoring tools, visualizing data with bar and line charts
- Implemented markdown preview in resource-authoring and rendering on resource-detail views
- Implemented custom URLs on resources at the admin-authoring and page-routing level

COVID-19 Free Testing Finder   *Lead Web Dev, Oct 2021 - Jan 2022*
Find free COVID tests at ICATT-participating pharmacies

`Vue` `Tailwind` `Node` `Express` `Leaflet`

- Constructed a Vue application capable of finding free, nearby COVID-19 tests at pharmacies participating in CDC's Increasing Community Access To Testing (ICATT) program
- Collaborated with designer, tailoring Vue components/tailwind styles to high fidelity wireframes
- Utilized Open Street Maps and Leaflet for testing-site visualizations
- Integrated backend web service request-generating and response-parsing into frontend