

Evan Ryan

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Website Portfolio: <https://evanryanportfoliowebsite.azurewebsites.net>

Professional Experience

React JS Developer, Washington, DC

July 2022 - Current

- Worked with modern web development technologies such as **React**, **Node.js**, **Typescript**, **JavaScript**, **CSS**, **HTML**.
- Developed a Node app that featured a toggleable settings UI to create and customize a 3D rendering from **Three.js**.
- Implemented a **'Drag and Drop'** feature in React app similar to **React-Draggable**.
- Designed CSS templates to use on my web apps using the **Fluent UI** framework and the **mergeStyles** library.
- Utilized **React-Router** in my personal website to avoid page reloading by making it a single-page application.
- Configured databases in **SSMS** to organize and manage large quantities of data using **fetch** and **query selectors**.
- Used a **RESTful** web service to transmit the **JSON** data collected by the website's 'Contact Us' form and added a third party mailer to send confirmation emails to the proper recipients.
- Parameterized SQL data field names as a cyber security measure to prevent malicious **SQL injection**.
- Mastered the use of React **hooks** and knowing when to use **useState**, **useEffect**, or **useRef** in any given scenario.
- Used **Git** for version control of all my projects and frequently pushed and pulled code via **GitHub**.
- Regularly used pre-existing component libraries from **NPM** (Node Package Manager).
- Frequently debugged applications using **Chrome Dev Tools** and **React Dev Tools**.

Control Systems Engineer Intern, Johnson Controls, Arlington, VA

April 2022 - July 2022

- Assisted in the loading and commissioning of system and network-level controllers.
- Participated in release meetings with the project field team and management.
- Assisted in the retrofitting of Johnson Controls HVAC systems to meet energy saving performance contracts.
- Adhered to safety standards with a high degree of regard to employee and subcontractor safety.

Engineering Associate, ArchSolar, Portland, ME

May 2021 - May 2022

- Worked with clients and manufacturers to design and deliver construction-ready project sets.
- Provided AIA standard engineering drawings of greenhouse structures using AutoCAD and Revit, complete with dimensions, detail views, section views, and all necessary callouts for construction.
- Developed new product extensions as well as specification sheets and renders for the existing product line.

Major Qualifying Project, WPI, Thermoelectric Generators (TEGs),

July 2020 - March 2021

- Implemented thermoelectric modules to produce electricity by collecting waste heat on a diesel exhaust system.
- Produced CAD models of the device in Solidworks that would achieve optimal heat and vibration resistance.
- Modeled the exhaust pipe and TEG module configuration in ANSYS to collect data on the device in a virtual simulation.

Skills

Web Technologies: HTML, HTML5, CSS, SASS, XML, Javascript, jQuery, React.js, Angular JS, Node.js, JSON, Github, Express.js, Three.js, GitHub, RESTful APIs, SEO.

Development Tools: Visual Studio Code, Eclipse, Dreamweaver, CodePen, Chrome Dev Tools, React Dev Tools, Node Package Manager.

Programming Languages: C, C++, JAVA, Javascript, .NET, SQL Server, Python, HTML, CSS, CLI.

Front End Tools: Adobe Photoshop CS5, Illustrator, CSS, Google fonts, SASS.

Education:

Bachelor of Science in Mechanical Engineering, Minor in Business: **GPA 3.5/4.00**,

August 2017 - May 2021

Worcester Polytechnic Institute (WPI), Worcester, MA