Evan Ryan

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RELATED EXPERIENCE:

***Jr. Web Developer*,** Washington, DC   Aug 2022 - Present

- Worked with modern web development technologies such as React, Node.js, Express, Typescript, JavaScript, CSS, HTML

- Connected websites to SQL Server database to organize and manage large quantities of data collected by websites.

- Developed full-stack websites that implemented RESTful APIs and collected data inputs from the end user.

***Control Systems Engineer*, Johnson Controls**, Arlington, VA   Apr 2022 – Jul 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.

- Interacted with manufacturers/partners on design, inventory tracking, and installation.

Major Qualifying Project, WPI, Thermoelectric Generators (TEGs),   Jul 2020 – Mar 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, a finite element analysis software, to collect data on

  the convective heat transfer, stress, strain, and moment of the device.

SKILLS

✔ JavaScript	✔ HTML	✔ CSS	✔ Java
✔ React.js	✔ RESTful APIs	✔ Node.js	✔ TypeScript
✔ Command line	✔ SQL	✔ Microsoft Office	✔ Python

EDUCATION:

Bachelor of Science in Mechanical Engineering, GPA 3.5/4.00,   August 2017 – May 2021

Minor in Business

Worcester Polytechnic Institute (WPI), Worcester, MA