

# Robert Greenan

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## TECHNICAL SKILLS

**Languages:** Javascript, Python, C/C++, C#, Java, HTML/CSS, SQL, Kotlin, GDScript.

**Frameworks:** React, Typescript, Node.js, Material-UI, Leaflet, Cypress, Pytest.

**Developer Tools:** Git, VS Code, Visual Studio, Android Studio, Godot.

**Soft Skills:** Problem Solving, Time Management, Communication & Listening Skills, Adaptability.

## EXPERIENCE

### Software Engineer

Feb 2024 – Sep 2024

*Spatial One*

*Fredericton, NB*

- Developed **automated excel readers** in **C#** in order to parse insurance data from various insurance companies.
- Constructed a PDF formatter that would convert parsed data into easily readable insurance reports.
- Implemented a series of **parameterized tests** to ensure the accuracy of all data parsing and conversion steps.

### Software Engineer Co-op

Sep 2022 - May 2023

*Sonrai Security*

*Fredericton, NB*

- Utilized **Python** and **Pytest** in order to full automated the **AWS**, **Azure** and **GCP** deployment process of security tools.
- Leveraged cloud developer **APIs** to seamlessly integrate the new deployment process into their respective services.
- Reduced the deployment process by **50%** by converting the multi-hour testing process to a completely automated task.

### Software Engineer Co-op

Jan 2021 - Aug 2021

*Terris Earth Intelligence*

*Fredericton, NB*

- Fully modularized custom **React** code into a library of reusable components in order to improve clarity.
- Integrated **Leaflet** into the application, constructing custom tools in order to perform area selection for spacial imagery.
- Added **Cypress** tests in order to cover all expect test conditions to ensure product quality and security.

## PROJECTS

### House Price Predictor | Project Manager, Front End | React, Leaflet, MUI, Python, Scikit-Learn

[Github](#)

- Constructed a **client-server application** to interface with a trained **AI model** to predict house prices.
- Trained a **random forest AI model** which obtained an average difference of **16.6%** from the actual price point.

### Steam Profile Viewer | Individual | React, MUI, NodeJS, APIs

[Github](#)

- Web application that utilizes Steam's Developer API to extract profile info to display achievement data.

### Personal Portfolio | Individual | React, Typescript, MUI

[Github](#)

- Implemented a portfolio web application for displaying my skills, work history and projects.

### Godot Wild Jam 78 | Individual | Theme : Erase | Godot, Aseprite, Audacity

[Github](#)

### Godot Wild Jam 76 | Individual | Theme : Freeze | Godot, Aseprite, Audacity

[Github](#)

### Pirate Jam 15 | Individual | Theme : Shadows and Alchemy | Godot, Aseprite, Audacity

[Github](#)

## EDUCATION

### University of New Brunswick

Fredericton, NB

*Bachelor's of Software Engineering*

Sep 2019 – May 2024

President's Scholarship | Dean's List | 4.0 / 4.3 GPA

## AWARDS & DISTINCTIONS

**University of New Brunswick:** House Price Predictor : Senior Design Best Technical Project (2024)

**Kinkora Regional High School:** Athlete of The Year (2018 & 2019), Governor General Medal (2019)

**Skills PEI - Robotics:** Gold Medalist & Provincial Representative for Skills Canada (2018 & 2019)