Robert Greenan

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Education

University of New Brunswick — Fredericton, NB
Bachelor of Software Engineering (Sep 2019 - Apr 2024)
- President's Scholarship, Dean's List, 4.0 GPA.
- Courses: Algorithms I & II, Operating Systems, Mobile Dev, Game Dev.

Professional Experience

Cosman Benefits & Pension Solutions via UNB — Fredericton, NB
Part-Time Contract Software Engineer (Feb 2024 - June 2024)
- Developed automated excel readers in **C#** in order to automatically parse required data.
- Constructed **parameterized tests** which ensure consistency and accuracy of readings.
- Fully automating the input of all excel data, removing the need of manual intervention.

Sonrai Security Inc. — Fredericton, NB
Software Engineer Co-op (Sep 2022 - May 2023)
- **Fully Automated** the deployment of security tools to various cloud networks.
- Implemented automated options for deployment to **AWS**, **Azure**, and **GCP** clouds.
- Reduced the deployment time by **6 hours**, eliminating manual operations.
- Added **Unit** and **Regression** tests using **Pytest** to ensure product quality.

Terris Earth Intelligence — Fredericton, NB
Software Engineer Co-op (Jan 2021 - Aug 2021)
- Fully modularized custom **ReactJS** code into a **component library**.
- Organized and improved efficiency of backend operations.
- Added **Cypress** tests to cover the **100%** of expected test conditions.

Projects & Other

AI Property Assessment Application — UNB Engineering Senior Design
- Training an AI model, using **Python**, to predict property prices with a **ReactJS** interface.
- Model uses **Random Forest Regressor Model** and attained an average difference of **16.6%.**
- Project team received the award for **best technical project** within Software Engineering.

Steam Profile Viewer — Personal Project
- **ReactJS** app used to display data obtained from Steam's API.

Skills Canada — Robotics
- Two time PEI Gold Medalist and National Attendee (2018 & 2019).

Skills

Languages: Javascript, Python, Java, C#, C, C++, GDScript, Kotlin, HTML, CSS.
Technologies: ReactJS, Android Studio, Git, VSCode, Godot.