GINO SALAYO

Software Engineer

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SKILLS

Languages JavaScript, HTML/CSS, Java, Python
Technologies React, React Native, Redux, Node.js, Express, MySQL, MongoDB, GitHub, Unix

EXPERIENCE

Front-End Software Engineer September 2020 – November 2020
Beam.gg Toronto, ON (Remote)

- Developed **React/Redux** front-end UI for community management software, leading to product launch
- Utilized **AWS Cognito** for user authentication and **AWS S3** for user file storage
- Collaborated with UI/UX designer to implement responsive designs and back-end developer to coordinate data communication with back-end via asynchronous **REST API** calls

Computers and Control Design Intern May 2017 – July 2018
Ontario Power Generation Pickering, ON

- Tested and debugged a **C#** toolset used for verifying nuclear power plant data by utilizing acceptance testing and boolean logic, leading to deployment for station use
- Created a **VBA** script using file parsing, iteration, and conditional logic to automate manual inventory checks and reduced time needed by 99%

PROJECTS

COVID-19 Contact Tracing App (github.com/filigino/trace-app) Personal Project

- Developed a full stack mobile app for COVID-19 contact tracing that uses **Node.js** to utilize Bluetooth to detect proximity to other users within a 20 foot radius
- Designed and built the UI using **React Native/Redux** which communicates with a server via **REST API**
- Constructed the back-end **Express** web server which stores data in a **MongoDB** database

8-Bit Image Pixelator (github.com/filigino/8-bit-img-pixelator) Personal Project

- Created a **Java** program using object-oriented programming, recursion, and the median cut algorithm to generate an 8-bit style pixelized version of a selected image

Smart Farm System McMaster Software Department Capstone – **1st Place**

- Developed a prototype that collects and analyzes farm data to optimize resource usage and crop yields
- Designed and built a solar-powered chassis to power and house the **Raspberry Pi** data collection unit
- Collaborated in a group of 7 using **agile** development methodologies to streamline operations

EDUCATION

Bachelor of Engineering, Mechatronics (Co-op) Completed April 2019
McMaster University Hamilton, ON