

GINO SALAYO

Software Engineer

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SKILLS

Languages Java (proficient), JavaScript (proficient), HTML/CSS (prior experience), Python (prior experience), C++ (prior experience)
Technologies Node.js, React, React Native, Redux, Express, MySQL, MongoDB, GitHub, Unix

EXPERIENCE

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
- Reduced the time needed to perform manual inventory checks by 99% by creating a **VBA** script that uses file parsing, iteration, and conditional logic to automate the task
- Displayed exceptional written and verbal communication skills through technical reports and collaboration with team members and stakeholders

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** and **JavaScript** to utilize Bluetooth to detect proximity to other users within a 20 foot radius
- Designed a user interface using **React Native** and **Redux** that communicates with a server via **REST**
- 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 precision agriculture prototype that collects and processes real-time farm data to optimize resource usage and maximize crop yields
- Designed a solar-powered chassis body to power and house the **Raspberry Pi** data collection unit
- Collaborated in a group of 7 using **agile** development methodologies to organize affairs

EDUCATION

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

- Graduated **summa cum laude** – GPA 3.8 / 4.0