

# Gino Salayo

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## Skills

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**Languages** Java, Python, C++, JavaScript, HTML/CSS

**Technologies** Node.js, React JS, React Native, Redux, MySQL, MongoDB, GitHub

**Coursework** Data Structures and Algorithms, Computer Networks and Security

## Experience

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### Computers and Control Design Intern

May 2017 – July 2018

Ontario Power Generation

Pickering, ON

- Tested and debugged a toolset used for commissioning nuclear power plant data by utilizing acceptance testing and conditional logic, leading to deployment for station use (**C#**)
- Automated manual inventory checks by implementing file parsing, iteration, and boolean logic to reduce time needed to perform checks by 90% (**VBA**)
- Managed building digital signage system as lead engineer using knowledge of client-server architecture to maintain an uptime of 99%
- Displayed exceptional written and verbal communication skills through technical reports and collaboration with stakeholders and team members to streamline operations

## Project Work

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### Contact Tracing App ([github.com/filigino/trace-app](https://github.com/filigino/trace-app))

- Created a full stack mobile app for implementing contact tracing of COVID-19 using Bluetooth communication to detect physical proximity to other users
- Designed and developed an intuitive front-end UI (**React Native, Redux, Node.js, JavaScript**)
- Constructed a back-end web server that communicates with the app via REST API and stores data in a NoSQL database (**Express, JavaScript, MongoDB**)
- Utilizes a decentralized network architecture with data storage and processing done locally

### Smart Farm System

- Developed a precision agriculture prototype that collects, validates, and stores farm data
- Created a local database for farm data and configured wireless transceivers (**Python, SQLite**)
- Exhibited outstanding teamwork skills while collaborating in a group of 7 using agile development methodologies to organize affairs
- Achieved **1<sup>st</sup> place** among McMaster Software Department engineering capstone projects

## Education

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### Bachelor of Engineering, Mechatronics (Co-op)

Completed April 2019

McMaster University

Hamilton, ON

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