

# Reuben Mathew Ninan

Brampton, Ontario, Canada | 416-992-0273 | reubenninan@outlook.com | github.com/ReubenMathew | reubenmathew.github.io

## OBJECTIVE

Motivated and dedicated Software Engineering student looking to leverage my technical acumen and passion for engineering with my leadership and coaching skills as a Summer Intern.

## RELEVANT EXPERIENCE:

### Data Scientist (Intern) | RBC (Royal Bank of Canada) | April 2019 – August 2019

- Automated data loading and cleaning processes in **Java**, **Python**, **SQL (Teradata)** and **R**
- Extracted 500gb of unstructured data from legacy files using **Python** and **Bash** scripts. The data was cleansed and enriched with existing data sources for the purpose of validation and governance
- Presented a **Tableau** Dashboard displaying visual, statistical and geographic insights on the newly extracted dataset to Senior Management
- Worked under **Agile/SCRUM** Methodologies and utilized tools such as **JIRA**, **GitHub** and **Confluence**

### Computer Science Instructor (Part-time paid) | STEM1 (www.stem1.ca) | June 2018 - August 2018

- Taught computer programs, algorithms and computer design to students (K-12)
- Created and implemented a beginner's curriculum focused on Robotics

## PROJECTS AND COURSEWORK:

### TypeCam – (In Progress | Repository found on GitHub)

- A cross-platform mobile application to detect and display information about a font you encounter in public
- Built with **React-Native**, **Viro-react**, with the backend image processing engine in **Python**, **Keras**, **OpenCV**

### Personal Portfolio Site – (Repository found on GitHub)

- Frontend technologies: **NuxtJS**, **VueJS**, **TailwindCSS**, designed in **Figma**
- Backend technologies: **Redis**, **Axios**, **Python**, **Flask**, Spotify API, GitHub Webhooks, **Gunicorn**
- DevOps tools: **Kubernetes**, **Docker**, **Kompose**, **Postman**

### DocScanner – (Repository found on GitHub)

- A simple document scanner utilizing an **OpenCV** Edge Detection Engine tied together with the **Flask** microframework.

### Machine Learning Experiments – (Repository found on GitHub)

- Python experiments with **Natural Language Processing**, **Scikit-learn**, **Tensorflow** and **Data Visualization**

### Venn Diagram Maker – (Repository found on Github)

- GUI built using **Java**, **JavaFX**, **MySQL** and OSS plugin with **Gradle** build pipeline

### Lead Vex Robotics Electrical & Software Engineer (Discobots Canada)

- Provincial Champions (2016), 2 World Championship appearances in Louisville, Kentucky (2016-2017)

## EDUCATION:

### 2<sup>nd</sup> Year Software Engineering (Bachelor of Engineering) | York University (Current)

- Acquiring a strong comprehension of mathematics, engineering and computer science principles and best practices

## LEADERSHIP & VOLUNTEERING:

### Computer Science Instructor (Codespot) | Chinguacousy Secondary School | September 2017 – June 2018

- Started the first coding club in Chinguacousy Secondary School to promote computer science education

### Financial Head at Wolfhacks Hackathon (Peel district school board)

- Organized the Peel District School Board's first Hackathon to develop and encourage STEM education

## Hobbies, Projects & Other Interests:

- Certified Swimming Instructor
- Computer science competitions
- Creating fonts and digital art
- Grade 8 Piano RCM Graduate
- Writing programming tutorials and contributing to open source software

**REFERENCES:** Available on request