

EXECUTIVE SUMMARY

A highly organized and resourceful individual with experiences in the healthcare industry, working in human resources and epidemiology research. Strong analytical skills and logical thinking paired with technical skills in programming.

TECHNICAL SKILLS

Programming Languages: Java, Python, Javascript

Applications: OpenCV, Keras, Scikit-learn, Tesseract OCR

Web development: HTML/CSS, Bootstrap 4

Operating System: Linux

EDUCATION

Bachelor of Science (Computer Science). Memorial University of Newfoundland (Newfoundland, Canada)

- Cumulative GPA: 3.71/4
- Expected Graduation Summer of 2022
- Dean's List Faculty of Science 2018-2019

Diploma in Environmental Sciences. Republic Polytechnic (Singapore)

- Graduated on May 2014

PROFESSIONAL SKILLS DEMONSTRATED

NATIONAL ENVIRONMENTAL AGENCY

April 2018 – August 2018

A government organization which develops and spearheads environmental and epidemiology research programs in Singapore.

Research Assistant

Leads backend and field support for nationwide dengue control initiative, Project Wolbachia

- **Data Processing and Management:** Oversee the collection and analysis of field studies and lab reports.
- **Research Design:** Regularly develop protocols and procedures with supervisor.
- **Technical support:** Provide field support for deployment and collection of research specimens across the surveyed areas. Contributed to 80% reduction in the population of Aedes Aegypti mosquitoes.

NATIONAL HEALTHCARE GROUP

November 2017 – April 2018

A public healthcare system that manages several hospitals, national specialty centers, and polyclinics in Singapore.

Executive Assistant

Oversees management of the operational budgets, delegates and tracks administrative tasks.

- **Executive Support and Scheduling:** Prepare annual budget reports for scholarships, residency training of healthcare professionals.
- **Office Administration and Organization:** Drafting and filing formal documentation for new hires,

recording employees' medical claims in the organization's HRIS system and filing physical copies appropriately for audit, insurance, and other record keeping purposes.

PROJECTS

GITHUB REPOSITORY: <https://github.com/francelow>

COMPLETED

Receipt reader: Image processing of paper receipts using OpenCV and Tesseract-OCR to parse paper receipts and output receipt contents into a text document.

(November 2019 – December 2019)

Ricochet Robots boardgame: Working in a team on a multi-stage Java-based project to create a boardgame. Process involving UML software design, project management, Code Maintenance and Testing

(January 2020 – April 2020)

ONGOING

Grocery budget app: Working on an expense report system that parse grocery receipts and extract relevant data to create a budget report from the purchases using deep learning and computer vision algorithms.

(December 2019 – Present)

Personal portfolio website: Building a responsive personal website using HTML/CSS and Bootstrap.

Demo @ https://francelow.github.io/Personal_Website/

AVAILABILITY

- 2 May – 31 August 2020 (Semester break)
- Serving SHN (Stay-home notice) in Singapore from 17th April 2020 to 2nd May 2020.