

Raymond Ren

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EDUCATION

B.Sc. in Computer Science

Wentworth Institute of Technology | Boston, MA
Dean's List (6 Semesters), Cum Laude

3.59 / 4.0

SKILLS

Proficient: JavaScript, NodeJS, ExpressJS, React, Angular, MongoDB (noSQL), MySQL, HTML5, CSS, Python, Java, Android Studio, Agile

Explored: AngularJS, C++, R, MatLab, Ubuntu

EXPERIENCE

Digital Health Lab at Wentworth | Boston, MA

Sept 2021 – Jan 2022

Undergraduate Research Co-op

- Designed a medical conference poster for hand segmentation using machine learning.
- Proposed project idea for diagnosing osteoarthritis using computer vision.
- Independently implemented the program in Python 3 and presented an accuracy of 70%.

Diamond Diagnostics | Holliston, MA

Jan 2021 – Apr 2021

Applications Developer Co-op

- Contributed to full-stack web application and API using Angular, AngularJS, MongoDB, and Node.
- Updated over 150 features to company's internal business application.
- Assisted system administrator in keeping employee computers to date with company policies.

PROJECTS

Thought Bubble

Present

- Independently developed a full-stack web application using MERN stack.
- Utilized MongoDB's geospatial queries to design a social platform based on users' location.
- Register and store user login information using JWT.

Mask Detector & Social Distance Identifier

May 2021 – July 2021

- Prompted the developed of a functional GUI prototype built in Python, Tkinter, OpenCV, NumPy, and Pandas.
- Applied image processing fundamentals to attain a social distance detection accuracy of 80%.
- Collaborated with two team members to design a poster for senior showcase.
- Guided the group in weekly meetings with professor to discuss progress and difficulties.

Enjoy By Food Freshness Tracker | Android Application

July 2021

- Collaborated with three group members to develop a CRUD application using Android Studio and Java.
- Integrated front-end application to back-end database operations built with SQLite.
- Deployed application to Google Play Store.