

Liang (Harry) Liu

<https://lightinthechaos.github.io/Harry-Website/>

GitHub: <https://github.com/Lightinthechaos>

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Employment Skills

Programming Language

Python, Java, C, Swift

HTML, CSS, JavaScript

Basic PHP, SQL

Deep Learning

CNN, MDnet, Resnet

Database

MySQL

Framework

React, SwiftUI

Others

Git, GitHub, Mandarin

Education

Wilfrid Laurier University

May. 2016 – May. 2020

Bachelor of Science in Computer Science (Mathematics Minor)

Waterloo, Ontario, Canada

Work Experience

Instructor Assistant

2019.5-2019.8

- ♦ Assist lab instructor to allocate task in lab
- ♦ Prepare lab and Answer students questions in lab

Proctor

2019.5-2019.8

- ♦ Arrange students in examination room, prevent cheating
 - ♦ Execute Professor's instructions and assist students to answer questions
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Software Development

Mailbox Application (Java in Android Studio)

Android Programming

- ♦ Develop a Mailbox app to be able to send/receive email through Gmail API, add information shown in mail as events to calendar, connect email with user's contact list
- ♦ Get user's google mail information through API, create SQLite Database to store mail information, display all user's google mail with recycle view in app inbox, implement functionalities like swipe to delete mail, pull down to refresh inbox, etc.

IOS Makeup Reminder Application (Swift in XCode)

- ♦ Develop a app to track girls' makeup expire date and alert expired makeup
 - ♦ Use the SwiftUI framework in Xcode12
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Machine Learning

Letter Recognition Project(Python)

Machine Learning

- ♦ Design different classifiers to classify 26 capital letters in the English alphabet. In the end, I got 98% accuracy model to predict letters.
 - ♦ Visualize Data, Understand and Summarize dataset. Outlier existed in features
 - ♦ Create model to evaluate algorithms, predetermined model based on raw results
 - ♦ Evaluate KNN with k value from 1 to 20 to get k with highest mean of accuracy, evaluate SVM with kernel function, tune C value to determine to get best result
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Web Development

Web Design

- ♦ Develop company's introduction page and customer information gathering page.
 - ♦ Use Apache and MySQL in XAMPP.
 - ♦ HTML, CSS, jQuery for UI design. MySQL to store costumer information. PHP, AJAX to send data and get data back to front-end.
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