Liam Chen

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Education

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B.S. in Computer Science

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3.75 GPA

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Skills

Java · Python · HTML
CSS · Git · PostgreSQL

Coursework

Object Oriented Programming (Java)

Advanced OOP and Data Structures (Java)

Linear Algebra

Probability and Statistics

Technology in Media

Honors

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National AP Scholar

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Projects

Discord Bot
February - March 2021

personal bot for a private server on the Discord app
- can respond to commands, send images, fetch data from Reddit and YouTube, read/write JSON, facilitate interaction between users
- implemented Discord API and Discord.py client library

Google Tasks Helper
March - April 2021

lightweight program for automatically creating and managing to-do lists in Google Tasks
- implemented Google Tasks API and Google APIs Python client library
- skills used: OAuth 2.0, HTTP requests, JSON

Maze Solver
May 2021

class project using graphs to find optimal paths for different mazes
- implemented depth-first search, breadth-first search, Dijkstra's algorithm
- skills used: Java, graph theory

Activities

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High school drumline · Co-Captain

organized and co-led high school drumline during practices, football games, and events
- taught music during practice
- directed members during events/performances
- managed repertoire and schedule of practices/events