Sherly Zheng

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EDUCATION

Queens College, City University of New York
Bachelor of Arts, Computer Science (May 2019)

- Cumulative GPA: 3.5/4.0
- Relevant Coursework: Software Engineering, Object Oriented Programming, Internet & Web Technologies, Data Structures, Design and Analysis of Algorithms, Database Systems, Theory of Computation, Image Processing, Computer Graphics, Computer Architecture

PROJECTS

MenuMap | www.github.com/szheng104/MenuMap

- A web application which allows users to view menus for restaurants in a fictional city. Users can also submit a restaurant's menus, which are stored in a MySQL database.
- Utilized: HTML, CSS, JavaScript, jQuery, PHP, SQL

The Penguin Game | www.github.com/szheng104/penguin-game

- A 3-D game application where the player uses their keyboard to control a penguin character traveling on a snow tube. The game also allows players to customize the appearance of their penguin. The goal of the game is to avoid as many obstacles as possible while the penguin's speed increases.
- Utilized: C++, OpenGL Utility Toolkit (GLUT)

Metropolis Algorithm | www.github.com/szheng104/metropolis-algorithm

- An implementation of the Metropolis algorithm, used to compute the optimal configuration of a set of nodes, which can be used to solve hard problems such as the traveling salesman problem.
- Utilized: Java

Dijkstra's Shortest Paths | www.github.com/szheng104/dijkstra-shortest-paths

- Given a text file containing a list of edges in a directed graph and their associated costs, this implementation of Dijkstra's algorithm outputs the single shortest paths between all the nodes.
- Utilized: C++

EMPLOYMENT

Medical Records Assistant
Island Ambulatory Surgery Center / Brooklyn, NY / January 2017 – July 2019
Managed and processed requests for patient medical records. Reviewed all outgoing records for accuracy and completeness.
Notable Accomplishments:

- Created a database to maintain information about requests and to store digital records. The database served as an aid to employees in responding to inquiries about requests, as well as expedited the process of retrieving records.
- Designed a user-friendly interface for employees to quickly and easily enter data into and retrieve data from the database.

SKILLS

- **Programming Languages & Libraries**: C++, Java, CSS, HTML, JavaScript, jQuery, PHP, SQL
- **Verbal Languages**: English, Cantonese, Spanish, Korean