Sherly Zheng

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EDUCATION

Queens College, City University of New York

Bachelor of Arts, Computer Science (May 2019)

- Cumulative GPA: 3.4/4.0
- Relevant Coursework: Software Engineering, Design and Analysis of Algorithms, Database Systems, Data Structures, Image Processing

PROJECTS

MenuMap (https://github.com/szheng104/MenuMap)

- A webpage 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.
- Written in HTML, CSS, PHP, JavaScript and jQuery.

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

- A game application where the player controls a 3-D penguin, avoiding obstacles as its speed increases. Developed using the OpenGL Utility Toolkit (GLUT).
- Written in C++.

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.
- Written in 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.
- Written in C++.

EMPLOYMENT

Island Ambulatory Surgery Center

Medical Records Assistant (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, which aided employees in responding to inquiries about requests, as well as expedited the process of retrieving records.
- Designed a user-friendly interface for employees to easily enter data into and retrieve data from the database.
- Minimized costs of printing records by digitizing all records.

SKILLS

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