# 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, avoid 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