

# Connie Guan

B.A. Computer Science

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## EDUCATION

### New York University Bachelor of Arts in Computer Science

09/2016 - 05/2020

*Minor in Economics, Minor in Web  
Programming and Applications*

#### Relevant Courses

- Processing Big Data for Analytics
- Intro to Machine Learning
- Computer Systems Organization
- Parallel Computing
- Operating Systems
- Data Structures

## WORK EXPERIENCE

### Website Manager Yong Sheng Herbs & More

2016 - present

*Tucson, AZ*

#### Tasks

- Oversee and ensure functionality of small business website, online business, and online presence
- Regularly update website interface and content
- Create and manage marketing strategies, social media, ads, and SEO

### Summer Immersion Program Teaching Assistant Girls Who Code

06/2019 - 08/2019

*Accenture NYC*

#### Tasks

- Taught high school girls introductory level Python, web development (HTML/CSS, JavaScript), data science, and robotics (Arduino C)
- Supported lead instructor in lesson planning and delivery, and classroom management
- Communicated regularly with Accenture and Girls Who Code staff to support seamless delivery and execution of talks, activities, and field trips

### Tutor America Reads

2017 - 2018

*New York, New York*

#### Tasks

- Tutored 3rd grade students in math, reading, science, and social studies
- Assisted teachers in creating worksheets, grading homework, and lesson planning

## SKILLS

Java, Python, PHP, JavaScript, HTML, CSS, C,

Hadoop MapReduce, Hive, Swift

## PROJECTS

### COVID-19 Data Text Bot (2020)

- Created a SMS bot that sends updated COVID-19 data of the US or a specified state (Java)
- Used the COVID Tracking Project API and Twilio API

### Crime: From Movies to Reality (2020)

- Analyzed FBI crime data and IMDB movie data to test and predict correlation between crime movies and violent crime (Hadoop MapReduce, Hive)

### Workout Calendar (2020)

- Created a website that allows users to build their own workout calendars through adding Youtube videos (AJAX, PHP, HTML, CSS)

### Image Segmentation (2019)

- Segmented an image using K-means clustering algorithm (Python)

### Shortest Distance with OpenMP (2019)

- Implemented a parallel method for solving a version of the traveling salesman problem (Java, OpenMP)

### Impact (2017)

- Created an iOS app that features a curated database of charities that updates according to current events to help users identify and contribute to trustworthy non-profit organizations (Swift, Charity Navigator API)

## ACTIVITIES AND ACHIEVEMENTS

### Women in Computing (2016 - 2020)

*NYU Club*

### Association for Computing Machinery (2016 - 2020)

*NYU Club*

### Dancers/Choreographers Alliance (2018 - 2020)

*NYU Club: Choreographed and participated in dance shows*

### Grace Hopper Grant for First Generation Students (2017)

*1 of 2 students to receive NYU grant to attend Grace Hopper Conference in Orlando, FL*

### Musical Mentors (2017)

*NYU club: taught piano to a 3rd grade student*

### HackNYU (2017)

*Hackathon at NYU Tandon*