SERENA BURTON

Computer Science Tutor

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EDUCATION / COURSES

Queens College, B.S. Computer Science, Aug. 2017 - May 2021 | GPA: 3.3

Relevant Coursework: Data Structures and Algorithms in Java, Object Oriented Programming in C++, Object Oriented Programming in Java, Computer Organization and Assembly Language,Discrete Math and Structures

Nanzan University, Japan, Summer 2018 | Focus Area – Japanese and Japanese Literature | GPA 3.8

SKILLS/TECHNOLOGIES

Java, JavaScript, C++, PHP, HTML, CSS, React

MongoDB, Git, JUnit, Google Cloud Platform, Node.js, Ajax, jQuery, JSON

EXPERIENCE

Computer Science Tutor
Queens College

Apr 2019 – Present   Flushing,New York

- Tutor students in need of help with Java and C++, students reported to have improved grades and better understanding of their professors' materials.
- Developed web-application game in which students are presented a coding problem and students choose the data structure in which they would use to solve it, increasing understanding of implementation of data structures
- Teach student how to use GitHub on the command prompt, as well as how to perform coding reviews before pushing changes to master branch, increasing understanding on teamwork.

Back-End Developer Intern
Etomon

Jan 2019 – April 2019   New York,New York

- Provided technical expertise for an organization whose mission is to provide a global education platform for people to increase knowledge and skills with no time and location limits.
- Build and maintain user information onto Etomon database using MongoDB
- Use JavaScript, Node.JS, HTML, CSS, and PHP to develop the functionality of web pages.
- Increased sales by implementing a sign-in function on course sale page encouraging users to log in and continue with their purchases.
- Retrieved number of users' unread messages from database to incorporate a notification function, increasing communication between users.
- Incorporated a cancel function on etomon.com in order to cancel upcoming scheduled classes and courses in the event of scheduling changes, decreasing scheduling mishaps.
- Utilized timer to demonstrate users' upcoming classes, previous classes, and cancelled classes to allow users to keep track of their schedule, resulting in an organized schedule.

Google CodeU Student
Google

May 2018 – Aug 2018   Mountain View,California

- An invite only program in which I participated in good industry practices by contributing to open source software such as Git and GitHub, performing code reviews, and understanding an existing codebase
- Led the incorporation of a profile section to the application and worked with a team of three and a Google Mentor to build new features that improved functionality and usability.
- Improved, innovated, and built on an existing database for a chat web application using GitHub, Java Servlets and JSP files
- Designed unit tests using JUnit and Mockito and led code reviews to ensure maintainability and scalability.
- Designed and built a new directory in the application that allows users to create profile pages with an "about me" section. Using Servlets and JSP files I configured the app for the user to edit only their own profile page while others can only see it.
- Persisted new changes to the "about me" page and updated it accordingly.

PROJECTS

Personal Website

Guess the Data Structure Web App

Star Wars Soundboard (Swift)

EXTRACURRICULARS/ACTIVITIES

Marketing Chair of Queens College Women in Technology Club

Oct. 2017 – Present   Flushing,New York

Member of Association for Computing Machinery Club

Oct. 2017 – Present   Flushing,New York

Vice President of Nanzan Freestyle Rap Club

June 2018 – Aug, 2018   Nagoya,Japan

ACHIEVEMENTS/AWARDS

JP Morgan Chase Sophomore Edge, Apr. 2019

- An award given to students who have demonstrated advanced skills and play an active role in the computer science community. Students were invited to attend a 3-day conference in Chicago for networking and learning opportunity.

Jeannette K. Watson Fellow, Mar. 2019

- A highly selective three-year fellowship that develops the potential of promising students to become effective and humane leaders. Selection criteria include high standards, leadership, ambition, ability to work in teams, interest in exploring diverse cultures, and integrity

Asian and Pacific Islander Scholar, Dec. 2019

- For Asian students that have placed strong emphasis on community service and leadership as well as solid academic achievement.

Queens College Honors Award, Jun. 2018

- An award issued by the President of Queens College to winners of prestigious national and statewide competitive scholarships and awards.

Gilman Scholar, Apr. 2018

- A scholarship awarded to high achieving students seeking to gain proficiency in diverse languages, cultures, and skills that are critically important to their academic and career development.

Freeman Asia Scholar, Apr. 2018

- A grant awarded to students who have demonstrated interest and self-initiated study in Asian culture.

Global Chancellor Scholar, Apr. 2018

- A scholarship granted to students pursuing education abroad to further their academic development.