David S. Li

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Education

STONY BROOK UNIVERSITY **EXPECTED MAY 2019**

- Bachelor of Science in Computer Science, GPA: 3.4/4.0 cumulative, 3.3/4.0 major
- Selected coursework: Data Structures, Discrete Mathematics, Probability and Statistics, Application Design, Data Analysis, Assembly Programming, Differential Equations

Work Experience

STONY BROOK UNIVERSITY | UNDERGRADUATE TEACHING ASSISTANT **JANUARY 2017 - PRESENT**

- Conducted a laboratory/recitation session in a 30 student classroom section for an introductory Computer Science course aimed at helping students learn the Java programming language
- Monitored an open discussion forum for all students and held open office hours, answering any questions pertaining to the students' coursework
- Courses Assisted: Introduction to Procedural and Object Oriented Programing (Spring 2017 and Summer 2017) and Data Structures (Fall 2017)

YORKTOWN PLANNING DEPARTMENT | INTERN **SEPTEMBER 2014 – JUNE 2015**

- Assisted Town Planner and Director of Planning with reorganizing and digitizing property information and site plans; this included filing documents and entering information into spreadsheets

Projects

PERSONAL WEBSITE **SUMMER 2017 - PRESENT**

- Developed using HTML/CSS/JavaScript and the Bootstrap framework, hosted at https://dsli208.github.io/
- Currently working on updating the site with additional frameworks and condensing the information to one page

GPA CALCULATOR **SUMMER 2017 - PRESENT**

- Developed to experiment with making linked-list data structures in Python, using knowledge gained from a Data Structures course taken in Fall 2016
- Intended to be capable of calculating a user's cumulative GPA, along with particular major GPA

STOCK ANALYSIS **SUMMER 2017**

- Developed using the R statistical programming language to predict future stock log returns from Microsoft and Amazon
- Analyzed stock data from the past year to create a linear model and one-step prediction

COURSE SITE GENERATOR **SPRING 2017**

- Developed using Java and JavaScript technologies to help a professor create a user-friendly course website with custom inputted data
- Utilized JavaFX for user interface (UI) layout and JavaScript (including JavaScript Object Notation (JSON)) for saving, loading, and exporting user inputted data into a user-friendly website

Skills

- Proficient: Java, Python, HTML, Microsoft Office
- Moderate: Git, JavaScript, R, LaTeX
- Familiar with: Ruby, SQL, CockroachDB