

David S. Li



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Education

STONY BROOK UNIVERSITY

EXPECTED 2019

- Bachelor of Science in Computer Science, GPA: 3.3/4.0 cumulative
- 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 – DECEMBER 2017

- Conducted a laboratory/recitation session in a 30 student classroom section, held open office hours, and monitored an open discussion forum for introductory Computer Science courses in Java, where I assisted students by answering questions that pertained to their coursework
- Courses Assisted: Introduction to Procedural and Object Oriented Programing (Spring 2017 under Mr. Ahmad Esmaili and Summer 2017 under Dr. Paul Fodor) and Data Structures (Fall 2017 under Mr. Ahmad Esmaili)

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

MINDMUSIC (HACKHEALTH 2018)

WINTER 2018

- A web app designed to schedule stress-relieving music study breaks, winner of the Most Innovative Prize
- Used HTML/CSS/JS on the front end; on the back-end, used Python, notably the Flask framework, and the Google Calendar and Spotify APIs

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

MENTAL HEALTH WEB APP (SOCIALHACKS 2017)

WINTER 2017

- Designed to take in a user input, determine how the user was feeling, and recommend professional help depending on the user's location if it deemed the user's mental state to be too distressed
- Made use of the Google Maps API, JS, and Java.

Skills

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