

Jiawei Qian
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Education

Stony Brook University

B.S. in Computer Science & Applied Math and Statistics

- GPA: 3.68
- Dean's List

Stony Brook, NY

May 2021

Relevant Courses

- Data Structures, Analysis of Algorithms, Programming Abstraction, Intro to Data Science, Data Analysis, Systems Fundamentals I & II, Computational Geometry, Graph Theory, Software Engineering, Statistics of data science, Computer Network, Computer Vision, Visualization

Skills

- Programming Languages: Java, C, MIPS Assembly, R, Python, Ocaml
- Web: HTML/CSS, JavaScript, ReactJS, NodeJS, Express
- Other: MongoDB, JavaFX, MySQL

Projects

GoLogo

MongoDB, HTML/CSS, JavaScript, ReactJS, Express, NodeJS

- Designed a front-end modular website
- Allowed users to login with Gmail accounts to make custom logos that can be saved in the users' account.
- Employed the software development life cycle to design an application that meets industry level specifications.

Happy Data

Python

- Designed a data science project that models and analyzes happiness scores
- Utilized machine learning algorithms to analyze the CSV files that consist of the data from multiple countries.

DTMF (Dual-Tone Multi-Frequency)

C

- Created a basic command line user menu to give users the option of generating and detecting audio data.
- Utilized user audio data to create and output remixed audio samples.
- Implemented a command line utility to synthesize audio data containing Dual-Tone Multi-Frequency (DTMF) signals and detect DTMF.

Tetris

MIPS Assembly

- Implemented a Tetris game using MIPS.
- Read in board set-ups and player movements from a static text file.

Experience

Stony Brook University

Undergraduate Teaching Assistant

- Software Engineering, Finite Mathematical Structure, Financial Mathematics.
- Held office hours and weekly, as well as, answered student inquiries in-person and on Piazza.
- Graded exams and homework for students.

Stony Brook, NY

January 2020 - Present