

WAN JONG KIM

Fort Lee, NJ 07024 — (201) 364-0983 — wanjongkim1@gmail.com
<https://github.com/wanjongkim> — <https://wanjongkim.github.io/>

EDUCATION

Stony Brook University

Bachelor of Science, Computer Science

Stony Brook, NY

May 2018

- Coursework: Data Structures, Object Oriented Programming, Machine Learning, Principles of Database Systems, Internet Programming, Computer Networks, Analysis of Algorithms

PROJECTS

TCP/IP Chat

GitHub

- Developed a multi-threaded Java application with a graphical user interface that uses a client-server model.
- Implemented text communication between end-users using sockets and streams.
- Implemented voice over internet protocol to allow users to talk to each other with the use of a microphone.

Movies Database

GitHub

- Developed a web application in Java that displays movie information dynamically using SQL and JSP.
- Populated the relational database by extracting and parsing data from JSON taken from a third-party server using their API.
- Used MVC software pattern to separate code for user interface and related business logic.

Stock Market Prediction

GitHub

- Developed Python application using linear regression model and ARIMA model from machine learning in scikit-learn to forecast the future stock price.
- Used Dickey-Fuller test to test the stationary of the data for a time series analysis.
- Utilized the differencing technique to reduce the impact of seasonality and trend on the stock price.

That 70s Space Game

GitHub

- Implemented 2D physics engine to work with the character's sprites and movement.
- Designed maps for multiple levels of the game to satisfy player's gaming experience and immersion.

TECHNICAL SKILLS

Languages

Java, Python, SQL, HTML, CSS, JavaScript, C++

Tools and Frameworks

Git, MySQL, JSP, Hibernate