

# WAN JONG KIM

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## EDUCATION

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### **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

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### **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 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

- Created a 2D space shooter game in a team of three using C++ and Box2D as physics engine.
- Utilized lua to hasten the process of development for testing custom made maps.

## TECHNICAL SKILLS

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### **Languages**

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

### **Tools and Frameworks**

Selenium, Git, Spring Boot, MySQL, JSP, Hibernate