

# WAN JONG KIM

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

## EDUCATION

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### **Stony Brook University**

Bachelor of Science, Computer Science

Stony Brook, NY

May 2018

- Coursework: Intro to Theory of Computation, Principles of Database Systems, Computer Networks, Fundamentals of Computer Vision, Analysis of Algorithms, Machine Learning, Computer Game Programming, Internet Programming, Software Engineering

## PROJECTS

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### **Movie Database**

<https://github.com/wanjongkim/MoviesDB>

- Created a Spring Boot application that displays movie information dynamically by retrieving the data within MySQL database.
- Filled the database by extracting data from a third-party server using RESTful web service.
- Used Hibernate for object-relational mapping to retrieve and store data about movies.

### **TCP/IP Chat Application**

<https://github.com/wanjongkim/Chat>

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

### **Stock Market Prediction**

<https://github.com/wanjongkim/Stock-Market-Prediction>

- 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.

## TECHNICAL SKILLS

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### **Languages**

Java, Python, SQL, HTML, CSS, JavaScript

### **Tools and Frameworks**

Spring Boot, MySQL, JSP, Git, Hibernate, AJAX, JSON, Scikit-learn, Numpy, Matplotlib, Pandas, Bootstrap