

# Tianqi Yang

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## Education

### University of California, Irvine

Irvine, CA, USA

B.S. Computer Science & Statistics

GPA:3.85/4.0

**Relevant Course Works:** Machine Learning & Data Mining, Operating System, Data Management, Algorithms, Computer Networks

## Work Experience

### Huawei Technologies Co., LTD.

June – September 2019

*Software Development Engineer Intern*

*Nanjing, China*

- Work in Huawei SD-WAN Solution Team for new version product launched
- Extract and modify specified data logically and efficiently from large datasets.
- Get extensive knowledge in performance testing using **Groovy** in **JMeter**.
- Write test scripts 200+ in both API and GUI, analyze the result and provide reports.
- Collaborate with senior developer to solve complex logical problems.
- Improve testing scripts, save running scripts time from 36 hours to 16 hours.
- Find errors 100+ by running test scripts and quickly report to the related coworkers.

### Grand View Capital

April - August 2017

*Web Developer Intern*

*San Francisco, CA*

- Work with senior developer to manage large, complex design project for corporate clients.
- Implement **JSON** data processing and designed database using **MySQL**
- Complete development tasks for front-end public websites using **JavaScript**.
- Collaborate with designers to create clean interfaces and user-friendly.

## Selected Projects

### Data Processing System:

- Create an interactive data processing system that mimics the functionality of an online storefront, with a menu of options provided to the user in **C++**.
- Use Binary Search Tree Algorithm to insert, delete, display the product, Hash Table and Heap/Priority Queue Algorithm to store order information.

### Predict Year of Song from Audio Features:

- Create a machine learning project that predicts the song's year by using several different ML algorithms in **Python** such as Support Vector Machine, Neural Network, Logistic Regression.
- Using Principal Component Analysis and t-Distributed Stochastic Neighbor Embedding to reduce the features dimension and visualize the data.

### Movie Database and Web Application:

- Create database using **MySQL** to store user information and movie data on **DataGrip**
- Implemented **API** in **Java** using **IntelliJ** and using **JDBC** to connect with database and testing by using **Postman**
- Encrypt the user information using Salting and Hashing
- Create Front-end website using **JavaScript** to let user interact and send request to back-end

## Skills

- **Programming Language:** Python, C, C++, Java, Groovy, CSS/ HTML, MySQL, JavaScript
- **System and Database:** Mac, Window, Linux/Unix, IPOP, Git
- **Testing tools:** SoapUI, JMeter, Postman
- **Languages:** English, Chinese