

# Jiawei Guo

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## EDUCATION

### JOHNS HOPKINS UNIVERSITY

MS IN SECURITY INFORMATICS  
Grad. May 2021 | Baltimore, MD

### USTB

BM IN INFORMATION SYSTEM  
Grad. Jun 2019 | Beijing, China

### BEIJING NO.4 HIGH SCHOOL

Grad. Jun 2015 | Beijing, China

## LINKS

Github:// [github.com/Leoni71](https://github.com/Leoni71)

LinkedIn://

[linkedin.com/in/jiawei-guo-3a939b192](https://www.linkedin.com/in/jiawei-guo-3a939b192)

## COURSEWORK

### GRADUATE

Natural Language Processing  
Machine Learning  
Object-Oriented Software Engineering  
Practical Cryptographic System  
Network Security  
Security Analytics

### UNDERGRADUATE

Data Structure  
Operating Systems  
Computer Network  
Software Engineering  
Database Principles  
C++ Programming Language  
Business Analytics

### SELF-LEARNING(COURSERA)

Machine Learning  
A Crash Course in Data Science  
The Data Scientist's Toolbox

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Python • Matlab • C++  
Over 1000 lines:  
C • Java  
Familiar:  
LaTeX • Go • MySQL •

### TOOLS

Familiar:  
Git • Linux

## EXPERIENCE

### PANIMATE.CO | SOFTWARE DEVELOPER(MACHINE LEARNING) INTERN

Jun 2020 – | Boston, USA

- Designed the dataflow of the Panimate application.
- Worked on information extraction, automatic video generation and recommendation system functions in our app using Python, StanfordNLP and other APIs, etc.

### INSTITUTE OF COMPUTING TECHNOLOGY, CHINESE ACADEMY OF SCIENCES | DATA MINING INTERN

Feb 2018 - Sep 2018 | Beijing, China

- Research on Pattern Mining in Stock Data.
- Did literature reviews, programmed algorithms with Python and C++.

### UNIVERSITY OF CHINESE ACADEMY OF SCIENCES | COMPUTER VISION INTERN

Dec 2017 – May 2018 | Beijing, China

- Conducted image recognition and 3D reconstruction using C++ under Linux environment.
- Collected image data and tested the effectiveness of reconstruction.

## PROJECTS & OTHER EXPERIENCES

### INFORMATION SYSTEM GROUP OF UNIVERSITY OF SCIENCE&TECHNOLOGY OF BEIJING | RESEARCHER

Dec 2016 – May 2017 | Beijing, China

- Build a management information system that helps the Ministry of Education to evaluate educational quality of colleges and universities.
- Pre-processed and analyzed data with Python. Sent feedbacks to the Ministry of Education.

### GAME STRATEGY ANALYSIS ON A NBA TEAM | TEAM LEADER

Sep 2017 - Dec 2017 | Beijing, China

- Collected data from official websites of the NBA and other statistic data platforms.
- Used python as programming language to conduct data analysis(find effective strategies and substitution tactics for Toronto Raptors).
- Did data visualization for presentation.

### ANDROID MALWARE DETECTION | TEAM LEADER

Nov 2019 | Baltimore, MD

- Collect authentication data from Android Software/Malware Package.
- Used Bayes classification to build a model and tested it on real-world malware.

### BUSINESS ANALYTICS | TEACHING ASSISTANT

### COMPUTATIONAL FINANCE | TEACHING ASSISTANT

Oct 2020 - Dec 2020 | Baltimore, MD

- Look through and check all the teaching materials. Help professor with assignment and quiz grading.
- Hold office hours to answer students' questions.