

# Nicholas Li

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## EDUCATION

**National Chiao Tung University (NCTU)**

**Hsinchu, Taiwan**

BSc in Computer Science, expected graduation: June, 2020

*Sep. 2016 - present*

Current GPA

Overall GPA (4.3): 3.84/4.3

Overall GPA (4.0): 3.80/4.0

## TECHNICAL SKILLS

**Programming Language** C, C++, Python, SQL, PHP, HTML, MATLAB

**Platforms & Frameworks** Peewee, ActiveMQ, AWS

**Research Interests** Computer Security, Machine Learning

**Language Certification** TOEIC 855(2016), TOEFL ITP 557(2016)

## PROJECTS

**Intrusion Detect by Log Analysis Based on Machine Learning and Deep Learning**

*Jan. 2019 - Present*

*Python, Keras, Pytorch*

A project that detects intrusion by analyzing history logs with machine learning and deep learning techniques, and expected to prevent intrusion in the future.

**Simple Instant Messaging & Social Network Service**

*Jan. 2019*

*Python, ActiveMQ (STOMP), Amazon EC2, SQLite*

A project based on Python that provides users some social services. e.g. publish posts, subscribe to articles, make friends with others, and send instant messages. By using ActiveMQ STOMP protocol to implement instant message service, database (SQLite) to implement posts service, and deploying distributed servers on AWS EC2.

**Room Booking Website**

*Dec. 2017*

*PHP, HTML, SQL, CSS*

A simple website that allows user to search, filter, check and reserve available rooms.

**MyAnimeList Rating Predictions**

*Dec. 2018*

*Python, scikit-learn*

Predict anime scores on MyAnimeList website with scikit-learn.

## MAJOR COURSES

Intro. to Network Programming 100(A+)

Data Structures and Object-oriented Programming 100(A+)

Computer Organization 96(A+)

Introduction to Operating Systems 95(A+)

Principles of communications networks 94(A+)

Introduction to Formal Language 94(A+)