

## EDUCATION

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- **New York University** New York, America  
*M.S. in Information System; GPA: 3.56/4.0* *Sep 2021 - Jun 2023(Expected)*
- **Chongqing University** Chonqing, China  
*B.S. in Computer Science; GPA: 3.47/4.0 Ranking Top 15%* *Sep 2016 - Jun 2020*
- **Overall Courses**  
*Data Structure, Algorithms, Object-Oriented Programming, Operating Systems, Database System, Machine Learning, etc.*

## SKILL SET

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- **Programming Languages:** Python, C/C++, Java, C#, JavaScript, SQL, HTML/CSS
- **Frameworks/Tools:** Django, Flask, Scrapy, Spring, AWS, jQuery, React, MatLab, MySQL, Git, Linux

## INTERNSHIPS

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- **HUAWEI Technologies Co., Ltd.** Chengdu, China  
*Software Development Engineer - Intern* *Sep 2019 - Nov 2019*
  - Contributed essential functions to a large software system of wireless network, and refactored the business code to remove redundancy.
  - Resolved district management and load balance problems by automatically assigning devices with the number of users; Refactored and cleaned 1000+ lines of code in the signal transfer part associated with the whole system.
  - Decreased the rate of idle and overloaded devices by 12%, and reduced the code size of around 10%.
- **Oracle Technology Talent Innovation and Entrepreneurship Base** Hefei, China  
*Web Application Development - Intern* *Jun 2019 - Aug 2019*
  - Designed a web application with full stack techniques for data management in a hospital.
  - Built the system from sketch while analysing logic, designing UI, and assigning different permissions to each department; Developed the platform by Spring MVC model with JS, Ajax, maven, Servlet and myBatis for connecting UI, backend functions and Databases together.
  - Provided paperless office environment and a way more efficient information system for the hospital.

## PROJECTS

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- **One Thing Inc.** New York, USA  
*Back End Engineer* *Dec 2021 - Now*
  - Cooperated with Google employees to design a web platform to gather latest information of Asian hate crimes and help make actions to stop them.
  - Crawled the news from different news portals through meta search engine of python scrapy; Removed repetitions for news from different sources by NLP and hash to reduce the cost to O(1).
  - Designed unit test for the crawling process and wrote detailed documentation for the scrapy project.
- **Chongqing Key Software Lab** Chongqing, China  
*Engineer & Researcher* *Sep 2020 - Aug 2021*
  - Explored relevant materials, and validated the performance of algorithms by implementing them using Python.
  - Proposed an efficient solution for the problem “Estimating the Failure Probability of Rare Events in Large Network Topology” of exponential complexity based on the methods and algorithms consulted; Implemented the proposed solution, and designed test cases and experiments for validation.
  - Decreased the relative error by 99% compared to original solution, and prepared to put into practical use.
- **Chongqing Innovation and Entrepreneurship Program** Chongqing, China  
*Web Application Development* *Sep 2017 - May 2018*
  - Developed a web application to solve the printing problems occurred in 3D printers by remote control.
  - Deployed the functions of login, temperature display, file upload, remote monitoring running in a micro computer by utilizing Python web framework Flask.
  - Cut down 8% waste of time and expensive materials, and made the cumbersome 3D printer smarter in use.