

JING QI

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EDUCATION

Syracuse University, College of Engineering & Computer Science, Syracuse, NY
M.S., Computer Engineering, Expected May 2019

Direction: Software System

GPA: 3.82/4 (Top xx%)

Selected Coursework:

- Advanced Computer Architecture
- Introduction to Artificial Intelligence
- Introduction to Cryptography
- Internet Programming
- Software Modeling & Analysis
- Object Oriented Design
- Computer Security
- Internet Security

China University of Geosciences (Beijing), College of Information & Engineering, Beijing
B.E., Electronic and Information Engineering, June 2017

PUBLICATION:

Deng CJ, **Qi J**, Li M, Luo X, Chi C. Signal Clustering Algorithm and Its Application Progress in Signal Clustering, Engineering Index 2016

INDEPENDENT PROJECTS:

VPN with C Language:

- Virtual network kernel with TUN/TAP
- Encrypted tunnel with SSL & PKI
- Multiple clients

Code Repository Client/Server System:

- Developed a NoSQL database with C++
- WPF for UI design with C++/CLI
- WCF for communication

eBook Reader:

- Client designed with HTML5, CSS3, JS
- Server using Asp.Net Core MVC

Automatic Number Plate Recognition System:

- STM32 microchip development
- SVM for POI detection
- ANN for OCR
- QT for UI and serial-port communication
- OpenCV with C++ for image processing

Twitch Data Analysis:

- Web crawler deployed on AWS with Scrapy
- Semantic Analysis with NLTK
- Data visualization with Bokeh

TECHNICAL SKILLS:

Languages:

Python, C++, C; *Competence:* C#, JavaScript

Tech Stacks:

.NET Backend Framework, HTML+CSS+JS Frontend Framework, WPF

Competence: Django, Scrapy

WORKING EXPERIENCE:

Syracuse University, Syracuse, NY

Teaching Assistant, Jan. 2019 – May. 2019 (Expected)

- TA for Internet Security

China Resources Microelectronics Limited, Wuxi, Jiangsu, China

Intern of IT Department, Jul. 2015 – Aug. 2015

- Developed a work flow management software named TOBE in C#

AWARD:

Graduate Student Grant, Syracuse, NY

30% Tuition Scholarship, Sep. 2017 – May. 2019 (Expected)