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%)

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

TECHNICAL SKILLS

Languages:
Python, C++, C;
Competence: C#, JavaScript, HTML, SQL

Tech Stacks:
.NET Backend Framework,
HTML+CSS+JS Frontend Framework,
Windows Presentation Foundation,
Network Programming,
Microchip Programming
Competence:
Amazon Web Service,
Django (a blog website: 18.216.116.220),
Scrapy, QT, Android Programming,
Algorithms in Artificial Intelligence

Operating Systems:
Windows, Ubuntu

Software:
Visual Studio, VS Code, PuTTY, WinSCP,
Virtual Box, VMware, PyCharm,
Android Studio, Wire Shark,

COURSEWORKS

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

AWARDS

Graduate Student Grant, Syracuse, NY
30% Tuition Scholarship, Sep. 2017 – May. 2019 (Expected)

Academic Scholarship, Beijing, China
Top 2% students, Sep. 2016 – May. 2017

INDEPENDENT PROJECTS

VPN with C Language:
- Virtual network kernel with TUN/TAP
- Encrypted tunnel using SSL based on PKI
- Client login mechanism
- Multiple clients supported

Code Repository Client/Server System:
- OOD
- Check in/out files, version management, file browser supported
- Developed a NoSQL database with C++
- A file and directory operations module in C++
- WPF for UI design
- WCF for communication between C/S

Twitch Data Analysis:
- A data analysis for games trend
- Web crawler deployed on AWS with Scrapy
- Semantic analysis with NLTK
- Data visualization with Bokeh

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

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

PUBLICATION

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

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# with WPF