

# Tianhan Yuan

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## EDUCATION

### New York University

*Master of Science in Computer Science*

New York, US

*Expected May 2019*

### University of Hertfordshire

*Bachelor of Science in Digital Technology in Mobile and Smart System track; GPA: 3.94*

Hatfield, UK

*July 2017*

### Changzhou Institute of Technology

*Bachelor of Science in Software Engineering (Joint Program with UH); GPA: 88/100*

Jiangsu, China

*July 2017*

## TECHNICAL SKILLS

**Programming Language:** C, C#, Java, Python  
**Web Developing:** HTML, PHP, CSS, XML, SQL, IIS  
**IDE & Cloud Platform:** Visual Studio, Eclipse, MS Azure, AWS  
**Software Operation:** Adobe Premiere & Photoshop, & Flash, Autodesk 3ds Max

## PROJECTS & RESEARCH

- **Smart Locker System (Industrial Graduation Project)** Oct 2016 – Mar 2017
  - *C#, UWP, Web Service, Windows10 IoT Core, Embedded System*
    - : Designed and developed a delivery storage system with optimization on user interface and security mode
    - : Developed an UWP application and deployed it to both mobile and IoT equipment
    - : Configured and managed database and server
    - : Enabled mobile device to obtain and process user geography location
    - : Explored the generation and identification of QR code with windows phone camera module
    - : Set up and programmed Raspberry Pi, touchable screen and proximity sensor
    - : Simulated locker system working environment
- **Interactive Website Development (Data-Driven Web Applications)** Nov 2015
  - *ASP.NET, C#, Database/SQL, HTML/CSS, Javascript, Google Map API, Azure*
    - : Designed and developed a dynamic scenic-spot website
    - : Collected, managed and displayed the text, image and geography data with dynamic website and database
    - : Realized travel destinations directory and keyword search with filtering and sorting
    - : Built the functions of user Registration/Login, Favorite saving, user Comments and destination Update
- **BB8 Robot (Smart Device Convergence and Application)** Feb 2017 – Mar 2017
  - *Mbed, Xbee, Arduino Motor Shield, WPF*
    - : Produced a robot, the moving status of which can be controlled and monitored remotely on PC end

## ADDITIONAL RELEVANT COURSEWORK

- **Computer:** Design and Analysis of Algorithms I; Data Structures; C Programming; Object-Oriented Programming; Principles of Database Systems; Webcasting; Networking; Mark-up Languages and Metadata; Content and Asset Management; Smart Systems; Foundation of Computer Science.
- **Math:** Advanced Mathematics; Linear Algebra; Discrete Mathematics; Mathematical Model and Applications.
- **Security:** Information, Security and Privacy; Data Security and Biometrics.
- **Media and Design:** Digital Media Technology; Visualization & Animation Technology; Interaction Design; E-Enterprise and Entrepreneurship.

## HONORS

- **First-Class Degree Honours:** University of Hertfordshire, 2017.
- **Students' Union Awards:** in recognition of outstanding contribution and commitment as Student Representative, University of Hertfordshire, 2016.
- **Academic Excellence Scholarship:** Changzhou Institute of Technology, 2013-2014 & 2014-2015.
- **Cultural Art & Social Volunteer Practice Scholarship:** Changzhou Institute of Technology, 2013-2014.