**TING WANG**

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**EDUCATION**

* Master of Computer Science, Indiana University South Bend (2020) GPA 4.0
* Bachelor of Science in Physics, Nanjing University; China (1993)

**HONER**

* Student Excellence Award in Applied Mathematics and Computer Science (AMCS) 2020.

**RELATED COURSE**

* Applied Cloud Computing
* Security for Networked Systems
* Game Programming and Design
* Hardware System Design
* Software Engineering
* Networks & Distributed Computing
* Parallel and Distributed Programming
* Elementary Artificial Intelligence
* Computer Structures
* Data Structures
* Database Systems

**INDEPENDENT PROJECTS**

* **An Android-Based Bulletin Board System Mobile App (2020)**In this project I developed an android App with Kotlin in Android Studio. The App allows users to register and log into the BBS to browse all the messages. After login, users can also send messages to the BBS. All data is stored in a remote MySQL database. The API developed by PHP.  
  App: [*https://github.com/wangting71/bbs-app/blob/main/bbs.apk*](https://github.com/wangting71/bbs-app/blob/main/bbs.apk)
* **The raspberry Pi-based home security system with remote garage door opener (2019)**This system includes three webcams and a garage door opener. Users can use the webcams to monitor their home environment for safety at any set time. If the webcams detect any movement, the system will send the users an alert email with a snapshot video. The users can check the webcam video real time remotely. They can also open and close the garage door remotely. In this project I installed an Apache Web server with PHP script support. The picture and video will be captured by Motion App. The alert email will send by a Python script.  
  The project was selected to display at 2019 IUSB Multidisciplinary Graduate Conference.  
  Demo: [*https://www.youtube.com/watch?v=vplijKuEhkw&ab\_channel=TingWang*](https://www.youtube.com/watch?v=vplijKuEhkw&ab_channel=TingWang)
* **Dao Game Project (2018)**In this project I wrote a C++ program that plays an intelligent game of Dao. The program will evaluate the game situation by assigning each empty position a heuristic value based on how close it is to winning and prioritizing each move made by the pieces based on their positions. Meanwhile, the program will also calculate the opponent's moves and their heuristic values to play defensively when necessary.   
  Code: [*https://github.com/wangting71/Dao-game*](https://github.com/wangting71/Dao-game)

**SKILLS**

* **Operating Systems:** Windows, Linux, macOS
* **Languages:** C, C++, C#, Java, Kotlin, Python, VB, VBScript, ASP, PHP, SQL
* **Configuration:** Router, Switch, VPN, Firewall, AD, SAN, NAS
* **Servers:**  DNS, DHCP, WINS, FTP, HTTP, MAIL, ISA, WSUS  
  IIS, Apache, VMware, Hyper-V, MS SQL Server, MySQL
* **Cloud platform**: AWS, MS Azure

**CERTIFICATIONS**

* Microsoft Certified System Engineer (MCSE): Windows Server 2003 (2008)
* Microsoft Certified Systems Engineer: Security (2008)
* Microsoft Certified Systems Administrator (2008)

**EXPERIENCES**

* **2012 – Present** Office Manager, North Systems Tech. Inc., South Bend, IN 46601
  + Maintain daily operations of LAN, servers.
  + Manage online E-business and in-store business.
  + Provide computer repairs and services.
  + Train new staff.
* **1998 – 2009** Campus Network/Systems Administrator, Shanghai University of TCM, Shanghai, China
  + Maintain daily operations of LAN, applications, and systems.
  + Manage user accounts, including adding and deleting rights and establishing server access.
  + Perform upgrades to hardware, operating systems, and applications with minimal downtime.
  + Install, monitor, and maintain servers, network equipment, switches, and storage devices.
  + Troubleshoot and resolve system and network connectivity issues to ensure optimal performance.
  + Implement and test system security, from virus protection to disaster recovery procedures.