

# Yuan Gao

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## Education

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<b>University of Wisconsin Madison</b>	Aug 2023 - Present
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Bachelor of Science in Computer Science

- Key Courses: Java Programming II, Machine Organization and Programming

<b>Beijing Jiaotong University &amp; Rochester Institute of Technology</b>	Sep 2021 - Jul 2023
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Bachelor of Science in Management Information System, GPA: 3.72/4.0

- University Academic Scholarship, Dean's List in RIT
- Key Courses: Calculus, Discrete Mathematics, Linear Algebra, Data Structures

## Awards

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- **Beijing Jiaotong University Academic Scholarship**  
Top 2% in the Management Information System Major
  - **National Cyber League Fall 2022 Team Game Top 4%**
    - Excelled in a collaborative environment to address multifaceted cybersecurity tasks, including network analysis and cryptography. Employed strategic problem-solving and technical acumen to outperform in a competitive field, demonstrating advanced cybersecurity proficiencies.

## Projects

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### Open-Source Contributions

- hexo-baidu-url-push Plugin ([npmjs.com/package/hexo-baidu-url-push](https://npmjs.com/package/hexo-baidu-url-push))
  - Developed a JavaScript plugin for the Hexo framework to automate the submission of blog URLs to Baidu's search engine for indexing. Enables efficient SEO management and increases the visibility of blog content in the Baidu search engine.

### Course Project

- CS400 Java Programming II Project Meteorite Catcher, Flight Route Search
  - Designed and implemented a Red-Black Tree (RBT) data structure to manage a dataset from NASA's meteorites.csv. Developed functionality to read and parse CSV file data, integrating it into the RBT for efficient querying. Engineered features to calculate and retrieve meteorites with maximum mass and specified mass intervals, enhancing data analysis capabilities.

## Work Experience

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<b>Wisconsin Union</b>	Sep 2023 – Present
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Building Services Custodian Student Part-time Job

- Maintained cleanliness and order across various facilities within the Union, ensuring a welcoming environment for staff and visitors.

## Skills

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Programming Languages:

- Proficient in Python, C++, Java, and C for various software development projects.
- Cybersecurity Tools: Experienced with cybersecurity tools and platforms including Kali Linux, Hashcat, and Wireshark for penetration testing and network security analysis.
- Operating Systems & Tools: Skilled in the use of Linux distributions (Ubuntu, Kali Linux) and Windows OS for system administration and troubleshooting. Familiar with software development and version control tools such as npm for package management and git for source code control.