

# Yuqi (Cecilia) Ma

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## EDUCATION

**Northwestern University, McCormick School of Engineering**

*Master of Electrical Engineering*

**Evanston, IL**

*Sept. 2022 – Dec. 2023 (Expected)*

**Beijing University of Technology**

*Bachelor of Engineering in Electronic Information Engineering*

**Beijing, China**

*Sept. 2018 – Jul. 2022*

**GPA: 3.75/4.0** – Academic Excellence Award

## WORK EXPERIENCE

**Huaxing Opoelectronic Technology Co.,Ltd(COST, a TCL and Samsung Joint-venture)**

**Shenzhen, China**

*Marketing Analysis Intern*

*June 2022 – Aug. 2022*

- Won 2nd place of the marketing track in the 3rd Scientific Research Vlog Competition among more than 400 teams held by COST Company
- Data analysis: Based on the market statistics and main stream forecasts of AR/VR/MR products, compared to clarify technology and product roadmap, speculated and analyzed the medium and long-term market size
- Research and planning: investigated market requirement and competitive products, summarized technology trend, and recommended technology evolution path and product strategy
- Proposal delivery: 5 market research reports on competitive products analysis, technology evolution path, enterprise strategic planning delivered.

**Institute of Information Engineering, China Academy of Sciences**

**Beijing, China**

*Network Security Engineer Intern*

*Nov. 2021 – May. 2022*

- Joint large-scale computer security projects (incl. memory corruption attack defense based on control/data flow integrity, software security analysis and enhancement based on binary rewriting)
- Performed functional test of the binary rewriting tool GRIN, build up test environment, compiled test spec., conducted functional tests, and proposed tool improvements
- Compiled a large-scale project "memory security system" documentation, incl. Functional Specification (FS), High Level Design(HLD), Project Development Plan(PDP) and other documents

## PROJECTS & EXPERIENCE

**Northwestern CSSA Career Development Department(officer)**

*Sep. 2022-now*

- Help organize the recruitment presentations of large enterprises, and connect with the company's HR.
- Served as the host of Tencent recruitment information conference.
- 3 job fairs have been successfully held, with more than 300 participants.

**Graduation Project Document Management System (Team Leader)**

*Mar. 2021 – May. 2021*

- Designed a system that automatically generate various graduation project management documents with student information GUI input by Java.
- Deployed MySQL Server as database to store of student graduation project information and instructor's profile.
- Presented students and projects data analysis by Excel.

**Robot Vision Challenge Research@ RoboCup China Open (Team Leader)**

*Jul. 2020 – Nov.2020*

- Captured the video stream by robot camera and processed by Python OpenCV computer vision module.
- Trained to robot by using Python TensorFlow machine learning module to obtain an optimized parameter set, so the robot can drive automatically along the track and finally hit the target.
- Organize a 3-member team, manage entire project, collect materials and tools, assign tasks and ensure tasks finished on schedule.

## SKILLS

SQL, Python, Java, HTML,Excel, MATLAB, C language, Javascript, CSS, Multisim