Ruoqiu Huang

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EDUCATION

University of Iowa *Iowa City, IA*
MS in Electrical and Computer Engineering; GPA: 3.59/4.0 *Expected May 2025*
BS in Electrical and Computer Engineering; GPA: 3.51/4.0 *Dec. 2023*
- Concentration: Machine Learning
- Minors: Computer Science and Music

WORK EXPERIENCE

Teaching Assistant *Jan. 2023 – Present*
UIOWA College of Engineering *Iowa City, IA*
- 2024 Spring - ECE:5320 High Performance Computer Architecture
- 2023 Fall - ECE:3540 Communication Networks
- 2023 Spring - ECE:2400 Linear Systems I
- Led discussion sections, conducted grading, held office hours, and designed class projects

Product Developer *Jul. 2014 – Present*
Beijing Olymball Technology Development Co. Ltd *Beijing, China*
- Established basic game rules for patented sports equipment and facilitated customer education
- Drafted rulebooks, investment proposals, and business plans, translated documents from Chinese to English
- Manufactured products and installed equipment in multiple locations in both China and the US

Network Engineering Intern *May 2023 – Aug. 2023*
Casey's General Store *Ankeny, IA*
- Assisted network infrastructure engineering team, troubleshooting fiber malfunctions, calculating subnet sizes, and analyzing network data
- Coordinated router/firewall store upgrade project, including communication across different teams
- Shadowed software engineering team and supply chain IT team, gaining insights into Agile development methodology and supply chain technologies

Network Technician *Feb. 2022 – May 2023*
UIOWA Information Technology Services *Iowa City, IA*
- Managed laundry system upgrade project generating $1,000,000 annual revenue, involving Raspberry Pi installations
- Conducted Wi-Fi signal surveys across 300+ campus facilities, performed location calibration for 500+ access points
- Streamlined inventory management and documentation updates

Inclusion Agent *Aug. 2020 – Feb. 2022*
UIOWA College of Engineering *Iowa City, IA*
- Designed and implemented DEI workshops and events for 2000+ engineering students
- Hosted the MESA tutoring program, mentoring 5th-12th graders in STEM subjects

SKILLS & INTERESTS

Chinese-Mandarin (Native), English (Bilingual), Spanish (Novice)
Back-End Software Development (Java, Python, Ruby, C++), Modern Databases (PostgreSQL, MongoDB, Neo4j, Redis), Academic Research (Python, MATLAB), Git (github.com/RoyH11)
Piano, Badminton, Reading

PUBLICATIONS

** Currently None **

LEADERSHIP & INVOLVEMENT

Piano Performer, *Music Minor* *2021 – 2023*
Student Leader, *Student Engagement Lunch with President Barbara Wilson* *2023 Spring*
Construction Worker, *Habitat for Humanity Rice County, MN* *2020 Summer*
Fundraiser, *UIOWA Children's Hospital* *2019 Fall & Winter*