Ruoqiu Huang

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EDUCATION

The University of Iowa, Iowa City, IA **Anticipated Graduation: Dec 2024**
Joint MS/BS Electrical and Computer Engineering
- GPA: 3.51 / 4.0
- Focus: Machine Learning (MS) / Computer Breadth (BS)
- Minors: Computer Science and Music

WORK EXPERIENCE

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 with Python scripts
- Coordinated a router/firewall store upgrade project, including communication across different teams and using on Cisco-Meraki dashboard
- Shadowed software engineering team and supply chain IT team, gaining insights into Agile development methodology and supply chain technologies

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

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

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

Product Developer / Business Partner **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

SKILLS

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

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**