

CHENKAI (NICHOLAS) WANG

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🎓 EDUCATION

University of Illinois at Urbana-Champaign 2017 – 2021

Becholar of Science

Major in Geography and Geographic Information Science (GGIS)

Minor in Computer Science

University of Illinois at Urbana-Champaign 2021 – Present

Masters of Science in Computer Science

👤 EXPERIENCE

NICHONET BGP Autonomous Systems May, 2021 – Present

Network Operator of AS142130, AS142282

NICHONET is a personal IPv6-only overlay network for research and education purposes, it applies popular technologies including WireGuard, BGP, Babel as well as a custom-made dynamic node configuration daemon.

Computer Security Research Jul, 2020 – Present

Research Assistant

Conducted computer security research focused on ARC protocol (RFC8617), an security extension for E-mail services with Professor Gang Wang (<https://gangw.cs.illinois.edu>)

Hefei Tuocheng Mould Technology Co., Ltd. 2016 – 2019

Embedded System Developer

* Part-time during semesters, full-time in summers and winters.

- Design ARM and AVR-based embedded systems' PCBs
- Develop PID motion control firmware for embedded systems
- Develop controlling software based on Qt/C++

UIUC CS125 Course Jan, 2018 – May, 2018

Course Assistant Java-based Intro to Computer Science course

- Develop assignments and exams
- Answer questions

b23.wtf Tracking-resistant Link-shortening Service 2021 – Present

Author

Simple open-source solution to b23.tv's tracing information

- Actively maintained with source on 🌐 GitHub
- Single-thread HTTP Server with no dependencies written in C, utilizes epoll()
- pthread managed parallel HTTP Client query module

V2Ray Open-source Proxy software 2016 – Present

Contributor / Maintainer

⚙️ SKILLS

- Programming Languages: C, C++, Shell Script, PHP, Python, Javascript (Experience from high to low)
- Platfrom I familiar with: Linux, UNIX, Qt, GTK, Arduino, STM32
- Language: English (fluent), Mandarin (native language)