

Mycroft Liu

Undergraduate Research Assistant

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Qingxu "Mycroft" Liu. Detail-oriented computer science undergraduate research assistant with strong mathematics background and hands-on experience performing laboratory work to advance research goals. Good coding background with multiple computer languages. Currently pursuing degree of Mathematics B. S. and Computer Science B. S. double major at the University of Minnesota-Twin Cities. Mycroft is easy to cooperate with and hunger to learn new things. Currently looking for an **internship** in computer science labs and IT software industries.



Skills

◆	Linux	◆◆◆◆◆	Excellent
◆	HTML/Bootstrap	◆◆◆◆◆	Excellent
◆	Java	◆◆◆◆◆	Very Good
◆	Python	◆◆◆◆◆	Very Good
◆	C/C++	◆◆◆◆◆	Very Good
◆	Android	◆◆◆◆◆	Very Good
◆	SQL	◆◆◆◆◆	Good



Education

◆	Sep 2014 - Jun 2017	IB Diploma Program <i>Nanjing Foreign Language School - Nanjing, China</i>
◆	Sep 2017 - Current	Bachelor of Science: Mathematics & Computer Science (Double Major) <i>University of Minnesota - Twin Cities - Minneapolis, MN</i>



Work History

May 2019 - **Undergraduate Research Assistant**

Current

University Of Minnesota, Minneapolis, MN

Advisor: Prof. Zhi-li Zhang, Qwest Chair Professor and McKnight Distinguished University Professor at University of Minnesota-Twin Cities

5G mmWave Researcher

Publication: *A First Look at Commercial 5G Performance On Commodity Smartphones (WWW 2020 Conference)*

Android Developer (app functionality part)

5GTracker is an app collecting information from the device such as 5G/4G network status, tower handoff status, GPS, etc. Will be on Google Play Store soon.

Web Developer

United States 5G Coverage Map. Link: <http://5gophers.umn.edu>

Jul 2019 - **Software Engineer Intern**

Aug 2019

Linkage Info LLC, Nanjing, China

Supported software engineering in School-Parents Communication Platform project. Used CentOS, Oracle SQL, Java, Spring, etc. on regular basis. **Best intern student award.**



Accomplishments

2016 American Mathematics Competition (AMC12) World Top 1%



Languages

Mandarin



Native

English



Superior



Courses

Computer Science

Advanced Algorithm and Data Structure

Operating System (UNIX)

Computer Network

Mathematics/Statistics

Number Theory and Cryptology

Numerical Methods

Probability and Statistics

Linear Algebra