

Xin Tong

COMPUTER SCIENCE STUDENT · SOFTWARE ENGINEER

NYU Abu Dhabi, PO Box 129188, Saadiyat Island, Abu Dhabi, UAE

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Education

New York University Abu Dhabi (NYUAD)

Abu Dhabi, UAE

B.S. IN COMPUTER SCIENCE, MINORS IN APPLIED MATHEMATICS & INTERACTIVE MEDIA

Expected May 2019

- Major GPA: 4.0/4.0, Cumulative GPA: 3.941
- Studied away at the New York campus in Spring and Fall, 2017

Skills

Programming languages: Java, Python, JavaScript & Node.js, C/C++, LaTeX **Web:** React, Redux, HTML5, CSS3, Express
Dev Tools Linux, Git, Vim

Research Experience

Undergraduate Capstone Research, NYUAD (Prof. Jay Chen)

Abu Dhabi, UAE

RESEARCHER

Mar. 2018 - Present

- Design and implement an online discussion forum, using p2p network and blockchain technologies for distributed content sharing and storage
- Key feature: the forum allows for user-level moderation, aiming to maximize Internet freedom of speech in an age of media censorship

Secure Systems Lab, NYU Tandon (Prof. Justin Cappos, Albert Rafetseder)

New York, US

SUMMER RESEARCH INTERN

Jun. - Aug. 2017

- Developed a Distributed Hash Table (DHT)-based information advertisement and lookup library for *Seattle Testbed*, a cloud computing platform for networking and distributed systems research
- Programming language: Python; tools: Git, SSH, Wireshark

Work Experience

WeChat, Tencent (Mini Program Team)

Guangzhou, China

SOFTWARE ENGINEERING INTERN

Jun. - Aug. 2018

- Developed real-time, multi-player game prototypes using the *Mini Game* framework (language: JavaScript; HTML5 game engine: Layabox)
- Expanded the *Mini Program/Game* library by adding APIs to support the latest networking, file storage and multimedia features (such as VoIP chat within mini games)
- Solved issues raised by developers on the *Mini Program* community forum

BiggerLab, Pre-College Computer Science Education Startup

Shanghai, China

TEACHING ASSISTANT, SUMMER INTERN

Jun. - Aug. 2016

- Acted as tech lead / teaching assistant for lessons on *Arduino* (single-board microcontroller) software and hardware, the *Processing* Java graphical library, and iOS development (15-20 high school students per class, 2 different classes)
- Wrote Chinese tutorials on programming with Arduino and Processing
- Organized and led coding workshops in collaboration with popular hackerspaces in Shanghai such as *Xinchejian*

Relevant Projects

- 2018 Operating Systems class projects [\[code\]](#)
- 2018 Chordinate, a React Native app for practicing chord progressions [\[code\]](#)
- 2017-18 Web Development for *the Gazelle*, student publication website at NYUAD [\[contributions\]](#)
- 2017 Acamaniac, an academic schedule planner for NYUAD students [\[code\]](#) [\[demo\]](#)
- 2017 *Dynamic Web Applications* class projects [\[code\]](#)
- 2017 *Drawing on the Web* class projects [\[code\]](#) [\[demo\]](#)
- 2016 Audio Wave, a Web Audio visualizer [\[code\]](#) [\[demo\]](#)

Extracurricular Activity

NYUAD Women's Intercollegiate Basketball

TEAM MEMBER

Sep. 2015 - May 2016, Sep. 2018 - Present