

# Yuyang(Peter) Rong

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## EDUCATION

ShanghaiTech University

Aug 2015 - Present

*Computer Science*

*Shanghai, China*

- **Overall GPA 3.80/4(Ranking: 5/124);**
- Major GPA 3.90/4(Self-calculated data, ShanghaiTech keeps no official record of major related GPA);
- Elected 5 graduate level courses; got A in **Systems Programming with Rust, OS II** and **Robotics**.

## EXPERIENCE

Toutiao, Bytedance

Step 2018 – Present

*Research Intern*

*Beijing, China*

- Security Lab lead by Prof. Hao Chen, my work is based on **Angora fuzzer**;
- My work focus on triggering constrained integer overflow by instrumenting source code using **LLVM**;
- Involving **Rust, C, and C++ coding**.

CSST, UCLA

Jul 2018 - Sept 2018

*Summer Intern*

*Los Angeles, CA*

- Supervised by Prof. Lixia Zhang; I worked on **Named Data Networking(NDN)**;
- Focused on OpenmHealth. Updated it with a new identity manager utilizing NDNCERT;
- I taught myself Android development and updated the application in two months. Java and C++ used.

ABB Group

Oct 2017 – Jul 2018

*Research Intern*

*Shanghai, China*

- Group of 10, Tried to combine robot arm and an indoor mobile car;
- I was responsible for software development, including **navigation system & state machine** to switch states when executing an order;
- Python, C++ and Robot Operating System(ROS) used.

Screen++

Jun 2017

*Team leader*

*Shanghai, China*

- Proposed an application to connect all the screens in different platforms;
- I was responsible for the software development & market model; I also did the final presentation;
- Python & Apache used. In a group of 5 we won the **3rd prize** in iLab Hackathon.

## AWARDS

Outstanding Student

Nov 2017

ShanghaiTech President's Scholarship

Nov 2016

Shanghai Scholarship

Oct 2016

## TECHNICAL STRENGTHS

Languages

Chinese, English(frequent user)

Computer Languages

Rust, Java, C++, C, Python, MATLAB

Protocols & APIs

LLVM, Android, boost, ROS, numpy