

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 4 graduate level courses; got A in **Operating System** and **Robotics**.

EXPERIENCE

Toutiao, Bytedance

Step 2018 – Present

Research Intern

Beijing, China

- Work in Security Lab lead by Prof. Hao Chen. Focus 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