

# Yuyang(Peter) Rong

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## EDUCATION

### UC Davis

Sep 2019 - Present

*Computer Science*

*Davis, CA*

- Ph.D. Candidate, research interest: security, fuzzing.

### ShanghaiTech University

Sep 2015 - Jun 2019

*Computer Science*

*Shanghai, China*

- Overall GPA 3.80/4(Ranking: 5/124), **Major GPA 3.90/4**.

## EXPERIENCE

### Bytedance

Sep 2018 - Aug 2019

*Research Intern*

*Beijing, China*

- Security Lab lead by Prof. Hao Chen, main work focuses on integer overflow;
- Focus on triggering constrained integer overflow by instrumenting source code using **LLVM**;
- *IntEgrity: finding integer errors by targeted fuzzing* submitted to CODASPY 2020, currently under review.

### CSST, UCLA

Jul 2018 - Sep 2018

*Summer Intern*

*Los Angeles, CA*

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

### ABB Group

Oct 2017 - Jun 2018

*Research Intern*

*Shanghai, China*

- Group of 10, Tried to combine robot arm and an indoor mobile car;
- Responsible for the software development of **navigation system**, **mapping system**, and **state machine**;
- Python, C++ and Robot Operating System(ROS) used.

### Screen++

Jun 2017 - Jun 2017

*Team leader*

*Shanghai, China*

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

## AWARDS

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