Yuyang(Peter) Rong

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EDUCATION

ShanghaiTech University	Sep 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

Bytedance	Sep 2015 - Present
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 S&P20, 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 NDNCERT;

· 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 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 - 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

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