Yuyang(Peter) Rong

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EDUCATION

ShanghaiTech University   Aug 2015 - Present
Computer Science   *Shanghai, China*

· Overall GPA 3.79, CS related GPA 3.89.

University of Chicago   Jul 2016 - Aug 2016
General Study   *Chicago, IL*

· Intensive English & Statistics, got A in both.

RESEARCH

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.

ShanghaiTech   Nov 2017 - Jun 2018
Lab Intern   *Shanghai, China*

· Worked on and inexact first-order method for constrained nonlinear optimization.
· Wrote Python code using numpy to verify that our code works.

STAR Lab, ShanghaiTech   Jun 2017 - Sept 2017
Lab Intern   *Shanghai, China*

· Supervised by Prof. Sören Schwertfeger in STAR Lab(Now MARS Lab).
· Multi-robot mapping problem.
· Used VLP16, tried Gmapping & Cartographer.

EMPLOYMENT

Toutiao, Bytedance   Step 2018 – Present
Research Intern   *Beijing, China*

· Work in Security Lab lead by Prof. Hao Chen. Focus on fuzzing problem.
· 5-month internship offer, already accepted.

ABB Group   Oct 2017 – Jul 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**.
· Python, C++ and ROS used.

Bookends   June 2017 - Sept 2017

Marketing Intern   *Shanghai, China*

· Startup company focusing on kid's education.
· Helped understand education market.
· Established a financial model with pricing for the company.

ShanghaiTech   Sept 2016 – Jul 2018

Teaching Assistant   *Shanghai, China*

· Held office hour, lab, discussion and grade homework.
· Team of 10, more than 200 enrollments every year.

PROJECT HIGHLIGHTS

Screen++   Jun 2017

Team leader   *Shanghai, China*

· Proposed an application to connect all the screens in different platforms.
· Development & market model. Did final presentation.
· Python & Apache used. Group of 5. Won 3rd prize in iLab Hackathon.

SafeBox   May 2017

Team member   *Shanghai, China*

· Group of 2. Got A for that course project.
· Proposed a visualization technology to create a sandbox.
· Catch every system call and fail the ones we consider unsafe.
· Rust & C used on Linux.

iGEM   Jul 2016

Team member   *Shanghai, China*

· Group of 16. Silver Metal.
· The team focused on intestinal disease.
· I helped them developed the web page and poster.
· HTML & PhotoShop used.

SafeHub   Jul 2016

Team leader   *Shanghai, China*

· Group of 5. Best design in that course.
· The team was concerned about the elderly's safety when take a bath.
· Designed a bathtub in which people cannot slip.

PRESENTATIONS & TALKS

Presentation: *Nonlinear Optimization Methods*   Aug 16th, 2018

Session Chair   *Leigh University*

Talk: *Welcome to New Student*   Sept 16th, 2017

Invited Student   *ShanghaiTech*

Interview: *China' s Challenges Season 3* | July 6th, 2017
ShanghaiTech Student representative | *ShanghaiTech*
Presentation: *I Know where Your Bug Is* | 10th Mar 2016
ACM/ICPC Club representative | *ShanghaiTech*

AWARDS

Outstanding Student | Nov 2017
ShanghaiTech President's Scholarship | Nov 2016
Shanghai Scholarship | Oct 2016

TECHNICAL STRENGTHS

Languages | Chinese, English
Computer Languages | Rust, Java, C++, C, Python, MATLAB
Protocols & APIs | Android, boost, ROS, numpy