Nuochen(Louis) Lyu

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EDUCATION

B.S. Computer Engineering, University of Illinois at Urbana-Champaign   May, 2018-Present
May, 2018
James Scholar Honor student   **GPA: 3.6 / 4.0**
Course: Data structure (A+)   Computer system   Network Communication   BigData
Computer Programming (**Honor**)   Signal Processing   DataBase

TECHNICAL SKILLS

System & Data structure & Internet Server: C++, C, JAVA, X86
Web Development: Ruby on Rails, HTML, CSS, JQuery, Javascript
Research & Big Data & DSP: Python, Matlab   **App:** Android studio, JAVA

PROJECTS

LyuBlog   http://lyulyulyu.herokuapp.com/   May, 2018-Present
—Self-build **back end** Blog system based on Ruby on Rails
—User Management, Privacy & Safety, Blog & Comment Management
—**Font end** website **UI interface** design & build, Responsive Web design

RedPill OS   Sep, 2016-Nov, 2016
—**Computer system** project that clone most core features of **Linux**
—Supported muti-terminal, scheduler, paging, ext2 file system, I/O, RTC

Uber clone   Oct, 2016
—Android develop, built a App that includes most feature of Uber
—GPS service, Passenger management, SQL data management, UI interface

EMPLOYMENT EXPERIENCE

Huawei Technologies Co. Ltd, Summer Intern   May,2016 - Aug, 2016
—Made a **C++** document record management system that helps programer to easily sort, find, inquire and classify their code based on version, date, platform.
—Network server & client testing, software performance check (**TCP/IP**), writing server log & construction document, coding online-judgment test training

New Oriental Education & Technology, Summer intern   May,2015 - Aug, 2015
—Full-time **teaching assistant**, class manager for 120 people/3 classes
—Participated in holding 2016 **Shanghai Study-Aboard Expo**

RESEARCH EXPERIENCE

Intelligent Optics Laboratory, ECE UIUC   Sep,2016-present
—Building a algorithm to eliminate the **3D disorde**r in Virtual-reality 3D display
—Designing a depth blending algorithm to make continuous 3D scene display

PM2.5 Air Quality Mapping   Mar, 2016-May, 2016
—Developed a **Image processing** software showing air quality map based on remote satellite photos.
—Exhibited the research poster in **2016 Research Symposium**. Our post is **Reported and interviewed** by university website
🎓 **Published**: "PM2.5 Air Quality Mapping Analysis"

Urban Environment Equity, ACE UIUC   Jan, 2015-May, 2015
—Investigated the effect of Milwaukee water clean-up program
—**Interviewed and surveyed** local people, coding based on **Alta.Ti** to manage million lines of text
—Exhibited the research poster in **2015 undergraduate Research Symposium to more than 100 people**
🎓 **Published:** "Issues, Stakeholders, and Equity in Milwaukee's Urban River Management"