# SHU LIU

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## 🎓 EDUCATION

**Beijing University of Posts and Telecommunications(BUPT)**, Beijing, China          2015 – Present
*Bachelor* in Network Engineering, expected graduation in July 2019
comprehensive ranking for the first three years in university: 25/154

## ♡ HONORS AND AWARDS

| | |
|---|---:|
| *Finalist Winner*, 2018 Interdisciplinary Contest in Modeling ICM | Apr. 2018 |
| *Nominee*, University website homepage design competition | Dec. 2017 |
| $3^{rd}$ *Class Scholarship*, University-level scholarship | Sep. 2017 |
| $3^{rd}$ *Class Scholarship*, University-level scholarship | Sep. 2016 |
| $1^{st}$ *Prize*, National English Contest for College Students | May. 2016 |

## 👥 EXPERIENCE

**Hotel Air-conditioning Management System**          May. 2018

*JAVA and HTTP*   Teamwork

- C/S architecture using HTTP communication protocol
- An evolutionary model development approach for software engineering was used
- MyBatis+Mysql+Spring

**American college student mathematical contest in modeling**          Feb. 2018

*Mathematica,LATEX*   Teamwork

- Established a basic model and two optimization models based on the Logistic model
- Used Mathematica to analyze the statistics
- An optimization model based on the Flow Refueling Location Model(FRLM) is established to reduce the cost of charging station network

**An online Q&A system similar to Zhihu**          Nov. 2017

*Python,JQuery*   Teamwork

- Based on Django and JQuery
- CRUD(create, read, update, delete) on sqlite database
- Functions of adding pictures to answers, reminding to check replies, and listing hot questions

**Word elimination game system**          Apr. 2017

*C++,Socket*   Personal project

- Socket communication, peer model
- Online player matching

**Library management system**          Apr. 2016

*C,Qt*   Teamwork

## ℹ MAJOR COURSES

- Operating System, Data Structures, Database System Design, Software Engineering

## ⚙ SKILLS

- Programming Languages: Java>C++>Python>JavaScript
- Multimedia processing: Adobe Photoshop, Adobe Premiere