

Greater New York City Area
New York, NY 10022

YAOXI LIANG

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EDUCATION

West Lafayette, IN, Purdue University

Aug 2013 -- May 2018

- B.S in Computer Science, Software Engineering. GPA: 3.3
- Coursework: Data structures & Algorithms, OOP, Operating Systems, Software Testing, Network
- Teaching assistant of CS250 - Computer Architecture

TECHNICAL SKILLS

- **Languages:** C/C++, Python, JavaScript/Node.js, C#, Ruby, Bash, SQL, HTML/CSS
- **Frameworks & Tools:** Django/DRF, Ruby on Rails, React.js/Redux, Nginx/uWSGI, MySQL/PostgreSQL, Celery/RabbitMQ, etcd, Redis, Kafka, Jenkins, Ansible/Chef, Amazon Web Services/Firebase

EMPLOYMENT & LEADERSHIP

Software Engineer, New York, NY

Sept 2018 -- Present

Bloomberg LP

- Develop and deploy full-stack internal functions on the Bloomberg Terminal
- Build highly available web tools that automate infrastructure workflows and improve Bloomberg security
- Enhance and optimize existing applications performance (reduced response time by 80% in one of the apps)
- Diagnose issues using monitoring/logging systems (e.g. Splunk) and provide solutions and fixes
- Design and architect software blueprints and workflows for new applications

Mobile Application Developer Intern, Indianapolis, IN

June 2018 -- Aug 2018

Aubry Lane & Furtrieve

- Architect and built and launched the official Android application for the company (<https://play.google.com/store/apps/details?id=com.saffron.furtrieve>)

Software Engineer Intern, New York, NY

May 2017 -- Aug 2017

Fresh Digital Group

- Implemented a reusable Node.js template to automate creation of a set of Amazon Alexa skills
- Built a secure Ruby on Rails RESTful APIs backend that integrates OAuth2.0 for a SaaS app SDK
- Set up Jenkins CI/CD pipelines to automate unit testing, applications versioning and deployment to AWS

Undergrad Research Assistant, West Lafayette, IN

Aug 2016 -- May 2017

Purdue University

- Built a Windows desktop application to simulate chromatography process (SSMB) in VB.NET
- Optimized the automated the simulation process, reducing up to 50% software run time
- Enhanced graph display module to for loading multiple data file

Vice President/Director of IT, West Lafayette, IN

Apr 2015 -- Dec 2016

Purdue University Undergraduate Chinese Association

- Led an IT team to maintain our server, update websites, and develop applications and chatbots for events
- Planned and initiated the 'distinguished orientation and consulting group' to help new Chinese freshmans
- Organized several academic/non-academic events such as callouts and black Friday Shopping trip, etc.

PROJECTS

- **Linux Shell.** Interactive Linux shell interpreter with wildcarding and subshell - C/C++, Lex and Yacc
- **HTTP Server.** Multi-threaded HTTP server with basic CGI and directory listing - C, POSIX Thread

OTHER EXPERIENCE & HIGHLIGHTS

- **Note-taker for student with disabilities at Purdue University Disability Resource Center**
- **Musician/Professional piano/keyboard player in ROSA(my band)**