

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
- Coursework: Data structures & Algorithms, OOP, Software Testing, Operating Systems, Computer Networks
- Teaching assistant of CS250 - Computer Architecture

## TECHNICAL SKILLS

- **Languages:** Python (Primary), C/C++, 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*

- Leading a project to provide a secure, highly available storage solutions for sensitive data such as secret keys, passwords, tokens, and certificates, etc., built with **Django**, **Celery** and **RabbitMQ**
- Designed and implemented an internal network policy management tool to achieve a more robust policy deployment automation process, using **Django Rest Framework** backend and **React.js** frontend
- Participated in re-architecting password management service to provide a stronger, entropy-based password security infrastructure, with active real-time check against publicly compromised passwords
- Enhanced and optimized applications performance (reduced API response time by 70-80% in one of the apps)
- Enabled better monitoring and logging for existing applications using **Splunk** and **Grafana**
- Developed and deployed internal functions that runs on the Bloomberg Terminal using **JavaScript**

**Mobile Application Developer Intern**, Indianapolis, IN

**June 2018 -- Aug 2018**

*Aubry Lane & Furtrieve*

- Designed, implemented and launched the official **Android** application for the company using **Java** (Google Play Store: <https://play.google.com/store/apps/details?id=com.furtrieve>)
- Collaborated with iOS engineer to re-architect legacy iOS app to using React Native
- Mentored and helped junior interns to troubleshoot and fix bugs in admin web portal

**Software Engineer Intern**, New York, NY

**May 2017 -- Aug 2017**

*Fresh Digital Group*

- Wrote a reusable **Node.js** template to automate generation of multiple Alexa Skills with shared pattern
- Set up **Jenkins** CI/CD pipelines to automate unit testing, versioning and deployment to **AWS Lambda**
- Built a RESTful APIs backend using **Ruby on Rails** (Grape) with OAuth2.0 support (Doorkeeper)

**Undergrad Research Assistant**, West Lafayette, IN

**Aug 2016 -- May 2017**

*Purdue University*

- Worked closely alongside researchers to understand project foundation and requirements
- Enhanced a Windows software for simulating an updated chromatography process (SMBC) in VB.NET

## OTHER EXPERIENCE & HIGHLIGHTS

- **Note-taker for student with disabilities at Purdue University Disability Resource Center**
- **Musician/Professional piano keyboard player**