

## **Yuchen Sun**

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### **Objective**

To obtain an internship or full time position in computer science engineering in winter 2018 or summer 2019.

### **Education**

**The Pennsylvania State University (University Park), State College PA** Expected Graduation: August 2019  
Master of Engineering in Computer Science Engineering GPA N/A

**Lafayette College, Easton, PA** August 2014 – May 2018  
Bachelor of Science in Computer Science, Minor in Economics GPA 3.39/4.00

### **Course**

CS150 Data Structures and Algorithms (Java) CS420 Artificial Intelligence (Data Mining)  
CS205 Software Engineering (C++, PSQL, Agile) CS406/CSEE511 Operating System (C)  
CS320 Database Management System (Ruby on Rails) CS305/CSE514 Computer Networking (Java threads)

### **Experience**

**Senior Project: Digital Art Gallery for Lafayette College** **Spring 2018**

- Created an art gallery application with both a web UI and a mobile UI for the art department of the school.
- Was responsible for the functionality of the online website, both the user end and the administrator end.
- Coding was done by Ruby on Rails, and the team use Scrum as its development framework.
- Practice application development frameworks and techniques in a more mature development environment.
- Officers from the art department and information technology department have tested the web application and is connecting it to the main website of the school. Mobile application is in continuous development.

**Summer Internship in Fusionskye Beijing Technology Co. Ltd.** **Summer 2017**

- Worked with the development group for a web application with b/s system for bank data analyzing.
- Got experience about the combination of Java, JavaScript and other popular techniques used to design software products in the industry, such as Spring MVC, AJAX and CSS.
- Practiced using software development framework Agile in real work.
- The application has now been realized to production environment and used by several Chinese banks.

**Class Project: Data analyzer for Pennsylvania Department of Education** **Fall 2016**

- Designed a online data summarizer and analyzer for Pennsylvania Department of Education.
- Learned to build up database-related online application by Ruby on Rails.
- Learned to created database-related dynamic visualization by D3.
- Officers in the department are now tracking the change in trends of the schools in state by the product.

**Research in Computer Science Department** **Summer 2016**

- Learned newly developed algorithms for artificial intelligence about architecture classification from latest conference papers.
- Evaluated the algorithm Multinomial Latent Logistic Regression for its accuracy.
- Created our own unsupervised learning model by Python and Tensorflow, and evaluated its performance as well. The model was used by the department in later AI researches.

### **Skills**

**Computer:** Backend programming language (JAVA, Python and C++), database design with SQL, Website Design (JavaScript, HTML with CSS, Ruby on Rails), data analysis (Stata), machine learning (Tensorflow)

**Language:** Can read, write, listen and speak in proficient Chinese, fluent English, and elementary Russian.

### **Activities and Awards**

Membership of Upsilon Pi Epsilon (UPE) Spring 2017-present  
Membership of Dobro Slovo Spring 2018-present  
Member of Overseas Chinese Students Children's Fund 2013-present  
ACM programming competition Fall 2016