

# Xingbang Liu

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## pages

in Xingbang Liu

liux2

🌐 xingbangliu.io

## courses

- Principles of Computer Organization
  - Data Analytics
  - Algorithm Analysis
- Artificial Intelligence
  - Discrete Structures
- Compiler Development
- Foundations of Psychology
  - Human Social Behavior
  - Research Methods in Psychology
- Sensation and Perception

## languages

Java, Python, R, C, MIPS,  
JavaScript, HTML

## tools

Adobe Creative Suite,  $\text{\LaTeX}$ ,  
Git, (Ba)sh, Linux/GNU,  
Office Suite

## gpa

Major: 3.513  
Overall: 3.283

## awards

Cupper Scholar  
Alden Scholar

## interests

artificial intelligence (recommendation system and natural language processing), software development

## education

Aug 2016 – present

### Allegheny College

Computer Science Major, Psychology Minor  
Graduating May 2020

Meadville, PA

## experience

Feb 2018 – present

### International Admissions Assistant

Allegheny College

*Student assistance and social media*

- Managing College social media platforms
- Posting necessary information
- Tools utilized: *WeChat, Weibo, Instagram, Twitter*

May 2018 – present

### Research Assistant

Allegheny College

*Python NLP application*

- Developed and enhanced an application to select information from interview records for MyMeadville organization
- Tools utilized: *Python, Numpy, NLTK, Pytextrank, scikit-learn, GitHub,  $\text{\LaTeX}$ , Markdown*

## projects

Mar 2017 – Apr 2017

### Texas Hold'em Poker Game

Semester Final Project

*A Java program for data structure practice*

- Implemented the game by using data structures, such as array list and stack, to make basic functions of the game.
- Tools utilized: *Java, BitBucket*

Nov 2017 – Dec 2017

### US Mass Shooting Data Analysis

Semester Final Project

*A R language project for practice purpose*

- Visualized the data by geological information, age information, and mental health state information. Analysis explored connections between age and mental health states.
- Tools utilized: *R, Kaggle, GitHub*

Apr 2018 – May 2018

### Simple Music Suggestion System

Semester Final Project

*A Java project for data structure practice*

- Implemented the DailyMix, MySong, and SortList functions based on existing suggestion systems.
- Tools utilized: *Java, GitHub*