Xingbang Liu

+01(814)-795-0122 +86 159-2777-8874 520 N Main St., Meadville, PA, 16335 xingbangliu@outlook.com

pages

Xingbang Liu
liux2
xingbangliu.io

courses

- Principles of Computer Organization
- Data Analytics
- Algorithm Analysis
- Computer Organization
- Artificial Intelligence
- Discrete Structures
- Compiler Development
- Programming Languages
- Software Engineering
- Operating Systems
- Foundations of Psychology
- Human Social Behavior
- Research Methods in Psychology
- Sensation and Perception
- Psychology of Prejudice

languages

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

tools

Adobe Creative Suite, LaTeX, Git, (Ba)sh, Linux/GNU, Office Suite

gpa

Major: 3.50
Overall: 3.23

awards

Cupper Scholar
Alden Scholar

interests

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

experience

May 2019 – Aug 2019 **Creative Technologist (internship)** Chengdu AIUX Studio
Creative technologist internship
- Developed an application to visualize speeches and convert speech to plain text for further analyze and visualization
- Deployed GitLab and Seafile to server
- Trained a conversational agent using seq2seq for use by designers
- Researched animal identity recognition system
- Tools utilized: *Python, Java, Processing, Seq2seq, GitHub, GitLab, Markdown, Docker, Sketch, Kactus, Arxiv*

Feb 2018 – May 2019 **International Admissions Assistant** Allegheny College
Student assistance and social media
- Managed College social media platforms
- Posted necessary information
- Tools utilized: *WeChat, Weibo, Instagram, Twitter*

May 2018 – Aug 2018 **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, LaTeX, Markdown*

projects

Feb 2020 – May 2020 **Music Matching System** Thesis Project
A Python project to match descriptive paragraphs with music
- Used NLP to summarize paragraphs, then match it with music lyrics.
- Recommended music by using string similarities.
- Conducted user research to evaluate the program.
- Tools utilized: *Python, Flask, Pytextrank,Pipenv, Pytest, AWS, 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*

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*