

XIAOXIAO LIU

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EDUCATION

Stony Brook University, Stony Brook, NY

Jan 2017 – Dec 2020 (Expected Graduation Date)

B.S. Computer Science

GPA: 3.50

B.S. Applied Mathematics and Statistics

LANGUAGES

Proficient: Python, Java, C

Prior Experience: JavaScript, SQL, PERL, R, C++, HTML/CSS

RELEVANT COURSES

- Principles of Database Systems (SQL, Relational Databases)
- Computer networks
- Systems Fundamentals II (Operating systems, Compilers, Concurrency and Performance analysis)
- Data Structure
- Computational Theory
- Software Design (JavaFx, Multithreading)
- Survey of Probability and Statics
- Analysis of Algorithms
- Scripting Language (Python, Perl, Shell, Web Programming)
- Systems Fundamentals I (Mips)

PROJECTS

Stratego Game, Fall 2019

Stratego is an online web game implemented by Java EE, CSS, HTML, with Spring boot frameworks. This is two player game, the goal is to be first player to capture opponent's flag or to capture all opponent's movable pieces.

CiaociaoPW, Spring 2019

CiaociaoPW is a web application to introduce myself implemented by Python, CSS, JavaScript, and HTML and deployed by Django, Unicorn, and Nginx.

MazeWar, Systems Fundamentals II, Spring 2019

MazeWar is programmed by C and is a real-time network game in which the players control avatars that move around a maze and shoot lasers at each other. It related low-level POSIX threads, multi-threading safety, concurrency guarantees, and networking.

EzBid, Principles of Database Systems, Fall 2018

EzBid is an online auction house web application implemented using Java EE and SQL. Similar to eBay, customers of EzBid are able to place auction, make bid, and finally get what they want. Users and auctions' info is stored in relational databases and queries are written using MySQL. Application managers and users are able to fetch and filter the information they want easily.

goLogoLo, Computer Science III: Software Design, Summer 2018

goLogoLo is an image making tool that can help any organization or individual quickly make a logo to represent your web page, brochures, or applications. Users can add different shapes or images to the canvas and manipulate those components. goLogoLo was build using JavaFx and certain frameworks (e.g. jTPS, a framework for undo/ redo transactions). CSS and HTML are also used in this application.

PROFESSIONAL EXPERIENCES

Teaching Assistant of Introduction to Computers, Kevin McDonnell

- Topics taught: Introduce Python.
- Holding a lab to solve students' problems per week.

Stony Brook, NY
Jan 2019 – May 2019

Teaching Assistant of Computer Science III: Software Design, Richard McKenna

- Topics taught: OOP, design patterns, units, threading, reflection.

Stony Brook, NY
Aug 2018 – Dec 2018