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: 3.50/4.0
B.S. Applied Mathematics and Statistics

Courses: Principles of Database Systems, Data Structure, Analysis of Algorithms, Computer networks, Computational Theory, Software Design, Scripting Language.

SKILL&LANGUAGES

Programming languages: Python, Java, C , JavaScript, SQL, PERL ,R, C++, HTML, CSS
Database: MySQL, PostgreSQL
OS: Linux, OS X, Windows

EXPERIENCES

Teaching Assistant | Stony Brook University, Stony Brook, NY

Introduction to Computers   Jan 2019 — May 2019
Software Design   Aug 2018 — Dec 2018

- *Held weekly lab to introduce Python basics and web development frameworks including Flask and Django.*
- *Helped 52 students design an automatic class introduction page generator in JavaFX.*

PROJECTS

CiaociaoPW   *Spring 2019*
Keywords: Python, Django, JavaScript, CSS, HTML, Supervisor, Gunicorn, Nginx.

- *Designed a personal website for introducing myself for recruiters via Django.*
- *Implemented template by HTML with Django Template Language.*
- *Styled the main page by CSS and JavaScript.*
- *Deployed it on the internet via Supervisor, Gunicorn, and Nginx.*

MazeWar   *Spring 2019*
Keywords: C, POSIX, Multithreading.

- *Designed a real-time network in which players can move around and shoot lasers at each other.*
- *Utilized low-level POSIX threads to monitor players' action and guarantee the multithreading safety.*

EzBid   *Fall 2018*
Keywords: Java EE, MySQL, JDBC.

- *Implemented an online auction website that enables the user to place an order, make bids, and submit payments in JavaEE.*
- *Designed the relational database tables and stored user's auctions information in MySQL.*
- *Deployed a role based feature to distinguish the interfaces for administrators, sellers, and bidders.*
- *Saved data from frontend to backend via JDBC.*

GoLogolo   *Summer 2018*
Keywords: Java, JavaFX, JSON, CRUD.

- *Designed a logo-making tool that can help customers to make a logo to represent their application via Java.*
- *Implemented CRUD features to allow users to add different shapes or images to the canvas and manipulate components.*
- *Deployed undo/redo feature to the logo so that users can able to retrieve the components(font, color, shape, and location) done in the previous step.*
- *Saved the logo information to the localhost via JSON.*