

Willie Xu

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EDUCATION

Stony Brook University

Bachelor of Science in Computer Engineering

Relevant courses: Operating System, Data structure, Algorithms, and Linear Algebra

Stony Brook, NY

Aug. 2020

SKILLS

Languages: Java, C++, C, JavaScript

Web Development: HTML, CSS

Programs: Eclipse, Visual Studio

PROJECT WORK

Personal Portfolio Website *HTML, CSS, JavaScript*

Feb. 2021 – Present

Personal website built from scratch using HTML, CSS, and JavaScript

Blackjack(21) game *Java*

Jan. 2020 – Feb. 2020

Program allows up to four players to play a game of blackjack.

- Established way to show player's hand after being dealt card for better visual feedback.

Password Generator *Java*

Nov. 2020 – Dec. 2020

Program returns a random password based on desired password length and gives option to save it to file.

- Enabled way for program to return a character based on random value generated.
- Implemented file read in and write out, allowing users to save passwords created.

Telecommunication Network Design Algorithms *Java*

Sep. 2019 – May. 2020

Designed four algorithms to that help in telecommunication networking.

- Streamlined a more efficient algorithm that reduces time complexity of Kruskal's algorithm.
- Led an initiative with team to set deadlines in order to complete project in a timely manner.
- Collaborated with teammate to learn GUI in two months with no prior experience.

Hangman Game *C++*

Oct. 2019 – Dec. 2019

Created an executable hangman game that runs with two additional text files.

- Led an initiative to make interface more intuitive to allow user to enjoy game more.
- Implemented file read in and write out to allow users to create a profile and to customize word list.

WORK EXPERIENCE

Amazon Hub Locker+

Stony Brook, NY

Associate

Dec. 2016 – Nov. 2020

- Ensured Locker+ sites met KPIs for labor and delivery expectations by managing relationships with University partners and transportation team.
- Achieved a 99.9% collected packages by customers with minimum requirement to reverse pick by educating customers about our 15 minute expiration.
- Improved SLA metrics by delivering customer packages by maintaining a 6 week 97.5% SLA average during peak.
- Demonstrated bias for action by escalating and resolving technical issues within required time (1-2 business days).
- Optimized training for 30+ new hire associates (from 2 months to 3 weeks) by streamlining department processes and procedures.

Queens Public Library

Queens, NY

Volunteer

Jun. 2015 – Dec. 2015

- Created over 80+ library displays to aid in advertising collection.
- Provided bibliographic and ordering information, and annotates books placed on statewide ordering lists (using MS Excel and SharePoint) for selection by State Library and branches.
- Maintained assigned collection (Dewey Decimal) - add, replace, select for mending or bindery, or withdraw titles as necessary.
- Provided customer service by answering questions received by mail, telecommunications, e-mail, or in person. Instructed users in basic research methods, assisted them in search strategies and locating sources of information.
- Directed users to the appropriate personnel in library system when applicable. Heard complaints, resolved the problem, or referred the user as necessary.
- Provided consultative services statewide to all libraries on reference and bibliographic concerns.