Sarah Xie

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Portfolio | GitHub | LinkedIn
Availability: January - June 2022

EDUCATION

Northeastern University, Boston, MA   Sept. 2020 - Present
Khoury College of Computer Sciences   Expected May 2024
Candidate for Bachelor of Science in Computer Science, Minor in Interaction Design
Honors: Dean's Scholarship
> *Relevant Courses: Algorithms & Data | Computer Systems | Object-Oriented Design | Information Design*
> *Fundamentals of Computer Science 1 & 2 | Discrete Structures | Database Design*

River Hill High School, Clarksville, MD   Sept. 2016 - May 2020
> *Relevant Courses: Advanced Placement (AP) Computer Science A | Principles of Java | AP Calculus AB & BC*

COMPUTER KNOWLEDGE

Languages:	Proficient: Java | SQL | HTML | CSS | Dr Racket
	Familiar: Javascript | Python | C | C#
Systems:	MacOS X | Windows
Applications:	Eclipse | IntelliJ | MySQL Workbench | SQLite | GitHub | Visual Studio | Adobe XD | Figma | Excel

PROJECTS

Various Computer Projects   Sept. 2020 - July 2021
- Pair-programmed games such as Mastermind, Flood It, Maze, and an Image Processor using Java
- Utilized object-oriented design to individually develop a game of Freecell using Java
- Developed a website used to monitor/store information regarding users and clothing products sold for an online store using Java, Javascript, HTML, SQL, and CSS

Websites For Design Courses   July 2021 - Nov. 2021
- Created a website using HTML, CSS, and Javascript to comment on a rising issue of major corporations not disclosing dangerous chemicals (PFAS) in their ingredient lists for cosmetics
- Designed a website prototype using Adobe XD to educate users about greenwashing within the fashion industry

The Discovery Program Database Application   June 2019 - March 2020
- Designed and developed a relational database and querying user interface prototype to track candidate information for the JHU APL Discovery Program utilizing SQL and C#

EXPERIENCE

Johns Hopkins University Applied Physics Laboratory ASPIRE Intern, Laurel, MD   June 2019 - March 2020
- Designed and developed a database to track candidate information for The Discovery Program utilizing SQL
- Developed a user interface prototype for the database utilizing C#
- Documented functional requirements to ensure the application meets user needs

Hot Pot Hero Waitress, Ellicott City, MD   Dec. 2019 - Aug. 2021
- Responsible for taking orders and serving customers
- Received phone calls, helped kitchen staff with setup/cleanup, translated for customers/coworkers

Bengong's Tea Cashier/Barista, Ellicott City, MD   July 2021 - Aug. 2021
- Serviced and communicated with customers
- Assembled and decorated various drinks, and assisted kitchen staff with setup and cleanup

VOLUNTEER WORK

Holy Cross Hospital NICU and Acute Therapy | Johns Hopkins Bayview Medical Center Bariatrics