

Sarena Yang

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EDUCATION

University of Illinois Urbana-Champaign

Expected Graduation: May 2024

B.S. in Computer Science • GPA: 3.92/4.00

Relevant Coursework: Introduction to Computer Science II, Discrete Structures, Numerical Methods I, Data Structures, Linear Algebra

PROFESSIONAL EXPERIENCE

Doctor's Data Inc., Software Engineering Intern

May 2022 - August 2022

- Built C# back-end for communication between lab computers and chemical machinery
- Extended legacy code to automate custom variable calculations in password-protected files and add to existing Oracle Database
- Developed internal ASP.NET web app that interfaced with a new SQL Server database, enabling 100+ employees to create and modify inventory requests

CS124 (Intro to Computer Science I) Course Assistant

January 2022 - August 2022

- Wrote breakdowns on the CS124 website about the fundamentals of programming in Java
- Supported students in their coursework by answering questions in the course's online discussion forum and held office hours 2-3 times a week

PROJECTS/EXTRACURRICULARS

Animated City Project

January 2020

- Rendering project utilizing Java Applets
- Generated a looping landscape of unique buildings and lights, a moving street, and a day/night cycle
- Implemented user interaction featuring a cat and snowman that react to mouse position

WCS Infrastructure Committee Member

September 2021 - May 2022

- Assisted the maintenance of the UIUC Women in Computer Science website
- Suggested and designed new features for the user hub and experience alongside fellow committee members
- Added a prototype student verification page for event tracking system

Capture the Flag Competitions

- Deloitte Cybersecurity CTF 2022, Top 5 Team Finish
- UIUCTF 2022
- Girls Go Cyberstart CTF 2020, Finalist

SKILLS

Programming: Java, Python, C++, C#, SQL, HTML, CSS, JavaScript

Technologies: ASP.NET, Entity Framework, SQL Server, Oracle Database

Languages: English, Mandarin