

Jenny Yu

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Education:

University of Arizona - B.S. in Computer Science

August 2021-May 2025

Minor - Information, Science, Technology and Arts (ISTA)

- Relevant Coursework: Computer Programming I & II, Discrete Mathematics I & II, Software Development, Object-Oriented Programming & Design, Computer Organization, Principles of Data Science, Systems Programming & Unix, Analysis of Discrete Structures, Compilers, Database design, Algorithms, Comparative Programming Languages, Web Development, Grammars and Automata

Projects: Source code: github.com/JennyYu2/Projects

C Compiler Development

- Engineered a compiler in C to convert C code into MIPS Assembly code.
- Deepened understanding of memory management, pointers, and system architecture.

Slaydoku - Java Sudoku Game

- Developed a Sudoku game with a team using Java and JavaFX.
- Incorporated recursive algorithms for puzzle generation and solving.
- Leveraged Object-Oriented Programming (OOP) principles and advanced Java frameworks to deliver a scalable application.

SQL Database Management Simulator

- Designed and implemented an arcade system using SQL allowing users to accumulate tickets and redeem rewards.
- Created and managed relational tables to track prizes, games, scores, and user accounts.

GO Web Scraper

- Created a web scraper that can find code snippets relating to what the user inputs from Stackoverflow, Geeksforgeeks and W3schools.
- Used goroutines for efficient concurrent URL parsing.

Tetris For Life Website

- Designed and developed an interactive website using HTML, CSS, and JavaScript.

Experience:

University of Arizona - Teaching Assistant

August 2023-May 2025

- Facilitated student learning in **Computer Organization, Discrete Mathematics II, and Object-Oriented Programming & Design** by providing in-depth academic support.
- Evaluated and graded assignments and examinations, ensuring clarity and fairness in assessments.
- Conducted regular office hours to assist students in understanding complex concepts and solving problems effectively.
- Provided leadership and guidance to student teams during group projects.
- Strengthened technical knowledge in areas such as algorithms, design patterns and computer architecture.

Tropical Smoothie Cafe- Crew Member

June 2021-August 2021

- Delivered fast, friendly service in a high-volume environment.
- Demonstrated strong organizational and teamwork skills by managing tasks effectively during peak business hours.

Technical Skills:

Programming languages: Java, Python, C/C++, Ruby, GO, SML, Prolog, HTML5, JavaScript, CSS, SQL

Tools: VS Code, Eclipse, Pycharm, GitHub, Microsoft Office, Jupyter Notebook, Node.js, Figma