

# Sara Nguyen

Undergraduate student at the University of Colorado Boulder computer science internships. Has experience in Java, C, and C++ programming languages and has some experience in Python, HTML, CSS, and JavaScript.

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## PROJECTS

### Doggo Dash Game

*HTML, CSS, JavaScript*

Developed a 2D arcade game featuring a dog character with arrow-key controls, implementing a finite state machine, real-time rendering, collision detection, and randomized object spawning to demonstrate event-driven programming and interactive graphics.

### Game of Life

*C++*

Implemented a menu-driven Game of Life board game simulation, emphasizing control flow, state management, and user interaction through actionable choices and event-driven gameplay.

### Fetch the Treat Game

*HTML, CSS, JavaScript*

Developed a 2D simple arcade game where players catch falling treats, featuring real-time input handling, collision detection, and a scoring system.

### Hidden Cookie Game

*HTML, CSS, JavaScript*

Created a puzzle game where players find a hidden cookie by clicking colored tiles, featuring event-driven programming, game logic, and interactive UI feedback.

### Web Portfolio

*HTML, CSS, Bootstrap*

Created a responsive personal website to showcase projects, hobbies, and resume.

## SKILLS

Java, C, C++, Python  
HTML, CSS, JavaScript  
Git & GitHub  
Data Structures  
Problem-Solving  
Teamwork  
Communication

## EDUCATION

### University of Colorado Boulder

B.S. in Computer Science  
GPA: 3.956

Expected Graduation: 2028