

JUSTIN NGUYEN

San Jose, California

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EDUCATION

University of Colorado Boulder
Bachelor of Science in Computer Science

Expected May 2028
Boulder, CO

COURSEWORK / SKILLS (underlined are currently taking)

- Data Structures & Algorithms
- Computer Systems
- Discrete Structures
- Design and Analysis of Database Systems
- Software Development Methods and Tools
- OOP Concepts

PROJECTS

Lion King Board Game | C++, OOP, File I/O

Dec 2023

- Implemented a Lion King-themed board game with dual-path gameplay, dynamic probability-based tile generation, and advisor system with special abilities.
- [Repository here](#)

Dungeon Pathfinder | C++, Data Structures, Algorithms

Apr 2025

- Developed optimized pathfinding using Dijkstra's algorithm with custom priority queue (max-heap) and hash table implementations for efficient dungeon navigation.
- [Repository here](#)

EXPERIENCE

Stanford Golf Camp
Camp Counselor

Jun 2025
Stanford, CA

- Supervised 10 campers daily, ensuring 100% adherence to safety protocols while maintaining a fun and structured environment.
- Delivered golf fundamentals that improved participant skills, measured by active participation and positive feedback.
- Coordinated with Stanford and university coaches to align instruction and activities, improving program consistency.
- Developed adaptability and patience by managing unexpected challenges and diverse camper needs.

TECHNICAL SKILLS

Languages: Python, Java, C++

Developer Tools: VS Code

Technologies/Frameworks: GitHub, Git