

Robert Pearce

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EDUCATION

UNIVERSITY OF NEVADA LAS VEGAS | Las Vegas, NV
Bachelor of Science Computer Science

June 2026
GPA: 3.7

COLLEGE OF SOUTHERN NEVADA
Associate of Business

June 2022
GPA: 3.8

RELEVANT COURSEWORK

Data Structures & Algorithms (C++): This course introduces sequential and linked structures, file access methods, internal structures (stacks, queues, trees, graphs), algorithms for manipulation, and Big-O notation.
Discrete Mathematics: Topics include set operations, Cartesian products, relations and functions, equivalence relations, graphs and digraphs, propositional calculus, truth tables, mathematical induction, and elementary combinatorics applied to probability.
Calculus II: Further applications and techniques of integration including integration by parts, sequences and series, polynomial approximations.

PROJECT EXPERIENCE

Integral Approximation Visualization
C++ / Calculus II

Mar 2023

- Program to demonstrate the differences between Riemann Sum integral approximation methods, left endpoint, midpoint, right endpoint, and trapezoidal approximation.

8 Queen Chess Puzzle

Apr 2023

C++ / Recursion / Backtracking Algorithm

- Program that implements a recursive backtracking algorithm to place 7 additional queens on a chess board in a way where no 2 queens threaten each other. Code available upon request.

TECHNICAL SKILLS

Languages: Proficient: C++ | Python | Assembly
Familiar: HTML | CSS | JavaScript

Operating Systems: Linux | Windows | MacOS

Tools: Visual Studio Code | Anaconda | PyCharm | DDD

RELEVANT WORK EXPERIENCE

UNLV Vegas STEM Mentor
University of Nevada Las Vegas

Las Vegas, NV
May 2024 – June 2024

- Mentor for UNLV Vegas STEM Lab, overseeing a group of 5 middle school students.
- Provided personalized guidance and support to facilitate the development of STEM identity among mentees.

Supplemental Instruction Math Leader
College of Southern Nevada

Las Vegas, NV
Aug 2023 - Present

- Plan and conduct 3-4 study sessions per week throughout the term, using strategies learned in SI Leader Training to prepare and provide aid to 80+ students a semester.
- Made supplementary videos covering notoriously difficult concepts such as difference quotient, asymptotes, and related rates.

Las Vegas Mini Gran Prix
Mechanic

Las Vegas, NV
Mar 2020 – Aug 2023

CERTIFICATES

IBM Data Structures &
Algorithms Using C++

Harvard CS50 Python

CISCO NDG Linux
Unhatched

