

Trevor Phillips

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<https://github.com/phillitrOSU/Portfolio>

EDUCATION

Oregon State University

Senior

B.S. in Computer Science, Current GPA 4.0

- **Completed Include:** Networks, Architecture and Assembly, Discrete Mathematics, Data Structures, Web Development, Algorithms, Databases, Operating Systems, Software Engineering.

SELECTED PROJECTS

- Beer Bank (HTML/Javascript)
 - CSS styled front end web app for managing the inventory of a mock Beer sales company.
 - Back end CRUD operations and SQL queries supported by MySQL Database.
- Super Grouper (HTML/Javascript)
 - A personal project web app that takes a list of individuals and sorts them into various groupings.
 - Incorporates an authentication microservice for users to login.
 - Development managed with JIRA sprints.
- Small Shell (C)
 - Command line interface built in C.
 - Support for background processes, special parameters, redirection and signal handling.
- String Primitives and Macros (Assembly)
 - Reads user number strings and converts to float and integer values.
- Hash Map (Python)
 - Two implementations of a hash map: open addressing and separate chaining with quadratic probing.
 - Implemented using a dynamic array and singly linked list.
- Real Estate Game (Python)
 - Object oriented model of a turn based real estate game.
- Reliable Data Transmission (Python)
 - Simulation of TCP network protocols over an unreliable channel.

ADDITIONAL EXPERIENCE AND EDUCATION

Bricker Elementary

Aug. 2023 – Current

STEAM and Music Teacher

Colorado Springs, CO

- Building leadership team member and lego robotics club sponsor.

Murnin Elementary

Aug. 2015 – Jun. 2023

Music Teacher

San Antonio, TX

- 2022 Northside ISD District Educator of the Year winner and nominee for Texas Educator of the Year.
- Organized extra clubs and performances for hundreds of students each year (Strings, Choir, Dance, Ukulele).

Portland State University, *M.Ed. in K-12 Education, 4.0*

Jun 2014 - Jun 2015

Tulane University, *B.S. in Evolutionary Biology and Piano Performance, 3.57*

Sep 2008 - May 2012

Music Publications

- “Firefly” SA (2022), *Hal Leonard Creating Artistry*.
- “God Rest Ye” SATB (2023) *Walton Music*.
- “Where the Garden Sleeps” Unison (2023) *Indianapolis Children’s Choir Publishing House*.

INTERESTS

- **Interests:** gardening, hiking, composing choral music, bread-making, podcasts, campfires, reading.