

Sean Smith

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EDUCATION

Brigham Young University

Bachelor of Science: Computer Science, Emphasis in Machine Learning
Minor in Mathematics

April 2027

Provo, UT

- **GPA 3.97**
- BYU Academic Scholarship
- Spanish OPIc Advanced Mid Rating

EXPERIENCE

Brigham Young University

April 2024-Present

Research Assistant

Provo, UT

- Assisting PhD students in creating tools to allow them to run research studies while allowing them to focus on their personal pursuits - the results are available on my github. Most notably within JHG-SC, aat_staghare, and Xeno_Hunt.
- Creating a new testbed for testing collaborative action in complex societies - aimed at studying human / robot interaction. (Social Choice Dilemma)
- Refining and expanding projects based on already published materials to further explore novel results within the field.
- Consistent github commit schedule, with a maximum of 21 contributions in a single day.
- Learning how to rapidly to adjust to other people's code and how to adapt / interact with them for purposes outside of their ori

PROJECTS

[Server GUI](#) (Python, pygame, websocket)

Built on top of a previous grad student's work for research purposes, to allow for human testing and data recording. Server and client are built in python using websocket for communication between the two.

[Chess](#) (Java, HTML, mySQL)

Fully functional Chess server capable of supporting multiple games simultaneously through a Java server using HTTP calls for server client relations. Database support for saving games is done through a mySQL server and the GUI is done through the command line.

[LeetCode Problems](#) (Python) -

A series of leetcode problems that I have solved in leetcode all in one place. I plan on adding to this as I continue to prepare for a career, but there are some creative solutions in there (including finding SCC's, dynamic programming as edit distance, and some fun recursion).

SKILLS

Proficient- Python, Godot, and Algorithm Design

Moderate- C++, Java, MySQL, Server-Client Connections

VOLUNTEER EXPERIENCE

The Church Of Jesus Christ Of Latter-Day Saints

May 2021-May 2023

Volunteer

Tuxtla Gutierrez, Mexico

- Taught popular english lessons in which non native speakers were able to increase their proficiency
- Learned spanish (received a "Superior" rating from the OPIc)
- Provided effective, interactive lessons to medium groups of people of up to 12 representatives
- Gained experience in cold call techniques and interpersonal skills with a 70+ work week