

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 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