Logan Davis Ray

(801) 690-0172 | loganray4898@gmail.com | www.linkedin.com/in/logan-ray48

Summary

A highly motivated and passionate Computer Science student at Brigham Young University Idaho with an innate ability for learning, problem-solving, and coding. Actively engaged in various societies, including holding leadership roles in the Society of Artificial Intelligence and Association for Computer Machinery and serving on the Hackathon Committee

Education

BS Computer Science | Brigham Young University - Idaho | Rexburg, ID   Expected July 2025
- Major in Computer Science
- Minor in Data Science
- GPA: 3.88

Extra Curricular Activities

Vice President | *Association for Computer Machinery* | Rexburg, ID   September 2022 - Present
Vice President | *Society of Artificial Intelligence* | Rexburg, ID   April 2022 - Present
Member | *Data Science Society* | Rexburg, ID   September 2022 - Present
Organizer | *BYU-I Hackathon Committee Fall 2022-2023* | Rexburg, ID
- Hackathon Coordinator & Organizer: bolstered the achievements of 20+ participating teams in 2022 through hands-on support. In 2023, took a central role in the committee's meticulous event organization efforts

Attendee | *Hackathons* | Rexburg, ID | Logan, UT   March 2023 - Present
- Secured a 2nd place finish at HackUSU, competing against a field of more than 100 teams, while leveraging a Graph Neural Network for drug discovery
- Attained 4th place in a BYUI competition involving the Wilford Woodruff Papers, demonstrating expertise in matching journal entries to scripture references

Skills

- Python, C#, Streamlit, HTML/CSS, MySQL, JavaScript, Canva, Figma, Microsoft Word and PowerPoint
- Communication, Problem Solving, Patience, Management, Accountability

Projects

Programmer | *Data Science Society* | *Wilford Woodruff Papers* | Rexburg, ID   September 2023 - Present
- Utilized a Large Language Model to develop an intelligent chatbot capable of answering inquiries related to the Wilford Woodruff Papers, a vast collection comprising over 25,000 published pages

Programmer | *Utah State Hackathon* | *GNN For Drug Discovery* | Logan, Ut   March 2023
- Utilized Graph Neural Network (GNN) technology to conduct in-depth analysis on an extensive database of 220,000 zinc compounds, with the primary goal of identifying potential drug candidates for medicine
- Employed PyTorch Geometric to analyze the ZINC chemical database, uncovering potential drug compounds achieving around 65% during brief training sessions, and employed Streamlit for a user-friendly model display

Programmer | *Artificial Intelligence Society* | *Salary Prediction* | Rexburg, ID   November 2022 - December 2022
- Executed testing on six different machine learning models to determine most accurate predictor of salary data
- Created test code to ensure data was thoroughly cleaned and implementing a model with over 50% accuracy

Work Experience

Lead Teacher Assistant | *Brigham Young University, Idaho* | Rexburg, ID   September 2022 - Present
Introduction to Computing, Technical Teamwork, Programming Building Blocks
- Completed grading and implemented course enhancements for nine classes and three courses, resulting in improved student engagement and performance
- Managed and graded work of a group of 40 students. Developed and maintained effective organizational and communication skills. Experience working in a university setting