Joseph D. Mattson

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EDUCATION

BS in Computer Science and Neuroscience   **Expected Graduation December 2024**

Brigham Young University   *Provo, UT*

- GPA: 3.82
- Pursuing Double Major in Computer Science and Neuroscience

EXPERIENCE

Computational Physics Intern   **May 2017 - August 2018; October 2020 – September 2021**

Army Research Laboratory   *Aberdeen, MD*

- Worked with Department of Defense (DoD) scientists to modify existing Python simulation software
- Conducted independent computational research on DoD supercomputers
- Researched applications of Python libraries to conduct complex analysis of crystalline structures
- Published research and communicated findings to the DoD scientific community

Software Design Class Teaching Assistant   **January 2022 – Present**

Brigham Young University   *Provo, UT*

- Aided students in learning about and creating web servers and clients for mobile applications
- Applied knowledge of computer programming and applications to improve existing course material

OTHER ACTIVITIES

Programming Leader   **September 2016 - March 2018**

FIRST Robotics Competition Team 3947   *Aberdeen, MD*

- Directed team of five programmers to write robot code for a large-scale robotics competition
- Achieved world rank in the 2017 FIRST competition

Volunteer Representative   **September 2018 - March 2020**

Church of Jesus Christ of Latter-Day Saints   *Quetzaltenango, Guatemala*

- Led other volunteers while assuaging the spiritual and physical needs of many people in Guatemala
- Learned Spanish and K'ichee' to communicate with individuals in various regions of the country

ACHIEVEMENTS AND SKILLS

- Awarded William J. Sacco Foundation Scholarship for Excellence in Computer Science
- Received National Merit Scholarship for Excellence in Academics
- Self-taught C++, Python, Kotlin, Java, and other languages to complete personal projects
- Reached rank of Eagle Scout in the Boy Scouts of America Program