

Quentin “Jack” Cook

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EDUCATION

Bachelor of Science, Applied Computational Mathematics (ACME)

April 2027

Brigham Young University

Provo, UT

- Concentration in Physics, minor in Philosophy
- GPA 3.97, Levinthal Fellow

EXPERIENCE

Deep Learning Researcher

March 2024—Present

Information and Decision Algorithm Laboratories (IDeA Labs)

Provo, UT

- Work with two computer science professors and three students to ‘solve baseball’ using computational math and game theory. Mathematical models are used by the 2023 World Series Champions, Texas Rangers, to improve gameplay strategy
- Create deep learning models in Python to accurately position players based on their fielding tendencies
- Presented findings at the 2024 Saber Metrics Analytics conference August 23-25, 2024, to MLB organizations

Analyst

December 2023—June 2024

Guardsman Capital

Sandy, UT

- Conducted research and analysis of \$5 million in assets, identifying key trends and opportunities for optimization using Python and Excel
- Worked with firm partners to evaluate and invest in Bookend AI, driving a projected 21% growth in the venture capital portfolio.

Intern

May 2023—Aug 2023

United States Senate (Senator Romney’s office)

Washington, D.C.

- Helped staffers research the following topics: Healthcare, Climate/Energy, Technology, Economy/Budget
- Prepared bios and other informational documents for Senator Romney
- Gave tours of the US Capitol Building, helped answer emails, phone calls, and letters

SKILLS

- Proficient in Python (Scikit-learn, NumPy, pandas, Matplotlib, Seaborn, PyTorch, TensorFlow, Keras, SciPy), Excel, Spanish, Unix Shell, Mathematical Programming
- Experienced in HTML, CSS, JavaScript, Tableau, SQL
- Familiar with React, VBA, Node.js, and TypeScript,

PERSONAL PROJECTS

Outfield Player Tendencies <https://www.kaggle.com/code/jack12cook/fsp-model-final>

- Generated synthetic data to create underlying distributions of players to be able to create a model to highlight player fielding tendencies
- Used DNN architecture to accurately predict strengths of fielding in players

Heretic Magazine <https://www.hereticmagazine.com>

- Co-created React-based web app inspired by vice magazine

VOLUNTEER EXPERIENCE

Volunteer Representative

2020–2022

Church of Jesus Christ of Latter-day Saints

Antofagasta, Chile; Knoxville, Tennessee

- Led 50+ missionaries in setting and achieving goals through targeted training and regular guidance, improving missionary efforts