John Robison

Technology | Research | Business

Summary

I am an analytical thinker who works to create technologies that solve open-ended human problems that others have classified as intractable. I thrive on thinking in a contrarian manner and relying on first principles to derive truth using a rigorous, scientific methodology.

Skills and Technologies

Skills: Mathematical and Statistical Analysis, Economic and Financial Modeling, Project Management, Technical Writing, Business Modeling and Strategy, Algorithms and Data Structures, Systems Architecture, Machine Learning, Blockchain Technology

Technologies: Python, SQL, Matlab, JavaScript, HTML, CSS, Ruby on Rails, React.js, Node.js, Git and Github, MongoDB, React-Bootstrap

Engineering Projects

Velocity: Front-end web application which employed the LunarCrush API to source financial and social data for crypto assets. Built Key Performance Indicators for both financial and social data to determine which assets were intrinsic value investments for long-term wealth creation.

Community Table: Full-stack web application for food vendors to store inventory data; application ran a novel algorithm based on tax law and probability theory to filter the inventory to determine whether it was more optimal to store or donate, given price and expiration data.

Drone Wars: Built mathematical models to optimize the number, type, and relative positioning of drones to combat variable-sized wildfires in Australia, given specific budget constraints.

Work Experience

Research Associate Remote (Online)

Blockchain Research Institute May 2021 - Present

The Blockchain Research Institute is the leading global think tank on blockchain technology.

- Writing a research paper on the key applications of DeFi for C-Suite executives; will present findings at the 2021 fall conference for DeFi hosted by the BRI.
- Building out a database as well as key statistical models for a research venture studying how governance impacts long-term value creation for blockchain start-ups.

Student Researcher Remote (Online)

NASA Goddard Space and Flight Center May 2020 - August 2020

NASA's mission is to pioneer the future in space exploration, scientific discovery, and aeronautics research.

- Built statistical machine learning models to identify and approximate error levels between the ICESat-2 satellite data and GLOBE Explorer citizen scientist data.
- Presented findings to both GLOBE and ICESat-2 senior scientists and explored how these teams could serve as collaborative stakeholders in the future.

Education

Columbia University, New York, NY

B.A. Mathematics and Statistics, Expected December 2021

Honors: Dean's List, Departmental Honors in German, Rowing National Champion

General Assembly, Remote (online)

Certificate: Software Engineering Immersive