

Spencer Hodapp

LinkedIn
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EDUCATION

UC BERKELEY

MS IN INFORMATION AND DATA
SCIENCE, MIDS

May 2024 | Berkeley, CA
School of Information

BRIGHAM YOUNG UNIVERSITY IDAHO

BS IN ECONOMICS

July 2020 | Rexburg, ID
College of Business and Communication

CERTIFICATIONS

AWS: Cloud Practitioner

Udemy: Machine Learning A to Z Harvard:
Spread Sheet Modeling, Business Writing

Bloomberg: BMC Core Concepts
Tableau: Tableau Desktop Qualified

Associate

(Exp Completion 5/15)

COURSEWORK

GRADUATE

Fundamentals of Data Structures and
Algorithms

Fundamentals of Linear Algebra

Computing Basics

Introduction to R

UNDERGRADUATE

Object Oriented Programming in Python

Statistics for Economists

Introduction to Econometrics

(Teaching Asst.)

Intermediate Microeconomics

Intermediate Macroeconomics

Special projects in Python

(Research Asst. & Teaching Asst 2x)

Calculus I and II

SKILLS

PROGRAMMING

Over 5000 lines:

Python • Javascript • \LaTeX

Over 1000 lines:

SQL • R • VBA • Tableau

BUSINESS ANALYTICS

Data Visualization • Exploratory Data

Analysis • Techno-Economic Analysis •

Project Research Design

FOREIGN LANGUAGE

Haitian Creole: Full Professional Fluency

EXPERIENCE

DELOITTE | DATA SCIENTIST: NATIONAL ENERGY TECHNOLOGY LABORATORY

Jan 2021 - Present | Washington, DC

- Developed a proprietary modeling application in python to provide high and low level strategic economic analysis across multiple energy sectors and conditions.
- Led a technical project team to integrate four high level energy models into a single UX interface.
- Primary technical editor writer for all client and bid proposal documents.

BROWN AND BROWN OF WASHINGTON | EMPLOYEE BENEFITS JUNIOR ANALYST

May 2020 - Jan 2021 | Seattle, WA

- Automated all standard client reports in Python.
- Led and shipped INSIGHT a proprietary monitoring tool that kept stakeholders abreast of dramatic spend changes in real time.
- Developed and refined new bench marking meteoric to asses client portfolio health, leading to a 7 percent increase in renewal rates among preexisting clients.

BRIGHAM YOUNG UNIVERSITY IDAHO | RESEARCH ASSISTANT & TEACHING ASSISTANT LEADER

Feb 2020 - Jun 2020 | Rexburg, ID

- Led efforts to model research by Dr. Danial Moncayo, PhD in American tax policy using python.
- Provided regular biweekly TA training sessions, grading feedback, course reviews and exam preps.
- Led a team of 3 TA's to revamp and modernize course work and learning objectives in R and Python

RESEARCH

NATIONAL ENERGY TECHNOLOGY LABORATORY: HYDROGEN EARTH SHOT INITIATIVE | LEAD DATA SCIENTIST

Aug 2021 - Present | Washington, DC

Led the consulting data science team to model and explore the ramifications and paths to achieving a 80 percent reduction in commercial hydrogen prices to 1 dollar per kilogram by 2030. The team was tasked with providing scenarios for a five fold or greater increase of clean produced hydrogen.

WALTER REED ARMY INSTITUTE OF RESEARCH | ARMY COLLEGE QUALIFIED LEADERS PROGRAM STUDENT RESEARCHER

May 2018 - Sep 2018 | Silver Springs, MD

Under the direction of **Dr Victoria Polonis, Chief of Laboratory Vaccine**

Immunology and **Michelle Zemil, Laboratory Manager** Designed a novel research experiment into the ELISA binding protocols to determine the optimal target antigen range for HIV virus adhesion. Presented finding in a poster presentation receiving accommodation for the scope and rigour of the project.