

SPENCER ELKINGTON

spelkington@gmail.com ◇ spelkington.github.io

Salt Lake City, UT ◇ (775) 388-7033

EDUCATION

University of Utah

May 2022

B.S. Quantitative Analysis of Markets & Organizations

Minor Computer Science

Key Skills: Machine Learning, Economics, Strategic Consulting, Data Science, Algorithms, Statistics

Software: Jupyter, AWS, Pivotal API, Databricks, Apache Spark, Snowflake, Tableau, Linux

Languages: Python (preferred), SQL, Lua, JavaScript, Java, C#, C++

EXPERIENCE

Data Analyst, *M Science*

June 2021 - Present

- Developed and tested **Databricks** prototypes for data categorization pipelines and processes
- Implemented production data pipelines to streamline categorization work and reduce compute costs
- Designed **Tableau** dashboard insights for workflows, data processes, and compute & storage costs

Quantitative Research Intern, *Wasatch Global Investors*

Jan 2020 - May 2021

- Created experiments in **Python** to adapt network and spectrum analyses to financial forecasting
- Developed a **Python/SQL** data pipeline to ease and automate collection of financial data

SLATE Dev Intern, *Utah Center for High-Performance Computing*

Mar 2019 - Feb 2020

- Built a **Kubernetes/Docker** platform to simplify deploy of science apps on cloud edge systems
- Constructed project documentation site in **React.js** to polish appearance for NSF grant proposals

Center Director, *Mathnasium of Utah*

Apr 2018 - Nov 2018

- Directed the strategy and operations of a K-12 math tutoring center with 80 enrolled students
- Led a team a dozen skilled math instructors in refining teaching and center presentation practices

PROJECTS

PointyPal: A Better Online Campus

2020 - 2021

- Built a class management application to provide students a better online experience during COVID-19
- Created and moderated a virtual campus for 450+ students to test application prior to opening source
- Conducted A/B testing to polish user experiences, resulting in peak growth rates of 100 users/mo

CoinPal: Trust Your Friends With Your Savings!

2021

- Created a **Python** application to allow group chats to jointly manage a cryptocurrency portfolio
- Implemented a custom API to allow limited interaction between clients and server secrets

Live Resume CI Pipeline

2020 - 2021

- Implemented a continuous integration pipeline to host dynamic copies of resumes via **GitHub Pages**
- Documented and taught project implementation to undergraduate engineering mentees

Beethoven, *2nd Place out of 30 teams*

HackTheU 2019

- Designed a closed captioning and audio transcription service for deaf and hard-of-hearing students
- Built a peer-to-peer text & audio streaming **TypeScript** app using **Node.js & React**

Robloxville

2017 - 2018

- Remastered a popular **Lua** game on the ROBLOX platform, supporting both PC & mobile gameplay
- Engineered project to patch security flaws and emphasize project maintainability and scalability

References available by request

Full Resume Source