SPENCER ELKINGTON

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EDUCATION

University of Utah *December 2021*
B.S. Quantitative Analysis of Markets & Organizations
Minor Computer Science

Talents: Machine Learning, Economics, Data Science, Algorithms, Statistics, Data Mining, Research
Software: Jupyter, Linux, Tableau, Git, PySpark, DataBricks, LucidChart
Languages: Python (preferred), C++, JavaScript, SQL, Java, C#, Lua

EXPERIENCE

Data Analyst, *M Science* *June 2021 - Present*

Quantitative Research Intern, *Wasatch Global Investors - Remote* *Jan 2020 - May 2021*
- Designed statistical allocation models to market and boost performance of investment portfolios
- 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
- Designed visualizations and dashboards in **Tableau** to tell intuitive stories with 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** and monitored site and project metrics
- Researched the use of **Foreman** provisioning software to remotely structure new server clusters

PROJECTS

PointyPal: A Better Online Campus
- 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

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**

LED Music Visualizer
- Created a **C++** and **Python** system for real-time music data analysis and visualizations
- Designed a **Python** music visualization tool for prototyping analysis & visualization algorithms

ORGANIZATIONS

VP of Education → President, *Utah Chapter of Triangle* *Apr 2019 - May 2021*
- Reconstituted chapter and passed down a 3-year plan to ensure future organizational stability
- Redesigned & presented governing organization designs to provide a better environment for growth

Genome Analysis Tutoring, *University of Utah* *Fall Term, 2017*
- Organized & lead a free **Python** tutoring group for a graduate anthropology course
- Utilized stochastic learning algorithms to track genetic drift in time-series genetic data sets

References available by request
Full Resume Source