

SPENCER ELKINGTON

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EDUCATION

University of Utah

December 2021

B.S. Quantitative Analysis of Markets & Organizations

Minor Computer Science

Key Skills: [Machine Learning](#), [Economics](#), [Org. Analysis](#), Data Science, Algorithms, Statistics

Software: [Jupyter](#), Amazon Web Services (AWS), DataBricks, PySpark, Linux, Tableau, LucidChart

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

EXPERIENCE

Data Analyst, *M Science*

June 2021 - Present

- Developed confidential analytics projects

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](#)