SPENCER ELKINGTON

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EDUCATION

University of Utah *May 2022*

B.S. Quantitative Analysis of Markets & Organizations
Minor Computer Science

Key Skills: Data Analytics, Software Development Visualization Technology, Algorithms, Statistics

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

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

EXPERIENCE

Data Analyst | Data Science & Engineering, *M Science, Jefferies Bank* *June 2021 - Present*

- Develop fast & scalable **Databricks/PySpark** data categorization pipelines and processes
- Design distributed profiling frameworks to diagnose causes of inefficiencies & propose solutions
- Investigate & implement **AWS/Spark** optimizations to boost task efficiencies by as much as 90%

Quantitative Research Intern, *Wasatch Global Investors* *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

Dev Ops Research Intern, *Utah Center for High-Performance Computing* *Mar 2019 - Feb 2020*

- Built a **Kubernetes/Docker** platform to simplify deployment of science apps on distributed systems
- Researched the use of **Foreman** build/deploy systems to remotely structure new server cluster pools

PROJECTS

Live Resume Continuous Integration Pipeline *2021*

- Designed a continuous integration pipeline to host dynamic copies of resumes via **GitHub Actions**
- Collaborated with university educational groups to teach pipeline implementation to undergraduates

PointyPal: A Better Online Campus *2020*

- Built a class management application to provide students a better online experience during COVID-19
- Created and moderated a virtual campus for 600+ 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! *2020*

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

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**

ORGANIZATIONS

Genomic Data Science Tutoring, *University of Utah* *2017*

- Organized & lead a free **Python** tutoring group for a graduate genetic anthropology course
- Utilized stochastic learning frameworks to help students understand large genetic systems & data

References available by request
Full Resumé Source