Joseph Wilkes

joseph.benson.wilkes@gmail.com | 801.648.0940
linkedin.com/in/joseph-b-wilkes | github.com/jbwilkes

EXPERIENCE

Data Engineer   **June 2022 – Present**
Varian – A Siemens Healthineers Company   Vineyard, UT

- Built web based Plotly Dash dashboard with 10+ data visualizations & 30+ interactive components to provide insights on A/B test of clinician's use of AI models
- Engineered medical contouring data from nested & semi-structured to tabular form using Python with minimal guidance which provided statistics for A/B test of AI performance
- Updated Airflow ETL DAGs involving 3+ sources & transferred 200+ GB of medical data from Azure to GCP BigQuery for AI & ML utilization
- Saved 12+ hours of contouring setup by automating manual process using Python

Analyst, SaaS Delivery   **May 2021 – June 2022**
Anglepoint   Lindon, UT

- Utilized Python, SQL, and Excel to identify millions of dollars in potential cost savings associated with management of Salesforce, Tableau, Adobe, & other SaaS vendors
- Received Selflessness Company Core Value Award Q3 – 2021
- Built & lead an internal Python resource group of over 12+ individuals across several teams with vision to enhance automation & analysis of client deliverables

Research Assistant   **Apr 2020 – May 2021**
Mathematics Department, B.Y.U.   Provo, UT

- Engineered a data pipeline for a High Performance Computing (HPC) environment using Python, Slurm, Bash, and Git yielding 10+ TB of data through 40+ years of computing
- Automated processes for visualization & optimization of millions of predictive models
- Communicated & collaborated about technical concepts while writing a research paper, presenting at two research conferences, and teaching about HPC & code functionality

Data Analytics Intern   **May 2019 – Aug 2019**
Imagine Learning   Provo, UT

- Developed 12+ features for several predictive models using SQL & Python
- Acquired proficiency with the following Amazon Web Services: Athena, S3, Glue, Redshift, Lambda, EC2, IAM as well as Google Cloud Platform, mainly Google Maps
- Engineered novel datasets for geospatial analysis & executive reporting

---

EDUCATION

BS, Applied & Computation Mathematics (ACME)   **April 2021**
Brigham Young University   Provo, UT

- Concentration in Business Management
- GPA: 3.50
- Relevant Coursework:
  - Machine Learning, Optimization, Algorithm Design, Linear Algebra, Differential Equations, C++, Technical Writing, Statistics, Marketing, Finance, Probability