

# ABRAHAM J. BURTON

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## EDUCATION

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### **Harris School of Public Policy, The University of Chicago**

Chicago, IL

M.S. Computational Analysis and Public Policy

Courses: Big Data and Cloud Computing, Generative AI, Math for Machine Learning, Algorithms

June 2024 (Expected)

### **Brigham Young University**

Provo, UT

Bachelor of Science, Economics

April 2022

Statistics Minor

GPA: 3.98

- Emphasis in combining causal inference and machine learning methods
- Brigham Young Academic Scholarship, full tuition
- Fellow, Center for the Study of Elections and Democracy, 2020

## EXPERIENCE

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### **Chicago Transit Authority**

Chicago, IL

*Safety Data Analyst Intern*

May 2023 – Present

- Developed a data pipeline and cloud database for tracking safety KPI's for a team of 50
- Analyzed and visualized safety trends via machine learning and dashboard creation

### **BYU Economics Department**

Provo, UT

*Research Assistant*

April 2021 – June 2022

- Wrote Python and Stata code for web scraping and data cleaning with millions of observations
- Created a machine learning model for data imputation in panel data

### **Ewing Marion Kauffman Foundation**

Kansas City, MO

*Research Assistant*

January 2021 - August 2021

- Developed a library for cleaning and visualizing government entrepreneurship data
- Replicated and analyzed entrepreneurship research and dozens of related indicators

### **Lucid Software**

South Jordan, UT

*Sales Operations Specialist*

February 2019 - August 2020

- Redesigned lead generation process for a sales team of 30
- Built reports on sales metrics for team strategy in Salesforce, Tableau, and Excel

### **Rulon T. Burton & Associates**

Murray, UT

*Marketing Assistant*

May 2013 - June 2019

- Ran direct a mail marketing project accounting for up to 40% of new clients
- Built web crawler to automate potential client data collection and create marketing material

## PROJECTS

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### **Chicago Rideshare Project**

- Analyzed Chicago rideshare trends in Data Proc and BigQuery
- Investigated the impact of the UChicago Lyft Program on students and the environment

### **Gubernatorial Election Coverage Project**

- Scraped news websites and visualized NLP techniques to show candidate bias in news organizations

## SKILLS

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- Languages: Python, SQL, PySpark, R, JavaScript, and Stata
- Cloud Services: AWS (Redshift, S3, Athena), GCP (GCS, Data Proc, Big Query)
- Technologies: Spark, MongoDB, Docker, Airflow, Kafka
- Skills: machine learning, econometric methods, probability and statistics, data engineering