

Nicholas Hobbs

+1 (801) 664-7021 | nicholas.r.hobbs@gmail.com | nicholashobbs.github.io

 [nrhobbs](#) |  [nicholashobbs](#)

OBJECTIVE

Seeking new data puzzles at innovative companies that push my creative, technical, and project leadership skills. I thrive on solving complex problems and driving impact through analysis and intuitive visual communication.

EXPERIENCE

Freelance – Data Scientist

2018–Present – Salt Lake City, UT

- **Workflow Optimization** - Streamlined workflows and data-driven strategies, cutting costs and boosting efficiency at Lefty's Bar and Grill in Ketchum, Idaho.
- **Inventory Automation** - Built web-based inventory tools to automate tracking and identify inefficiencies for MealSuite, a startup delivering meals to the elderly.
- **A/B Testing** - Built platform for testing clickthrough on various UI configurations for Ample Insight.
- **NLP** - Integrated a series of tools to do sentiment analysis, turn commented word docs into a database, and display relevant information for Kleimann Communications.

Off Piste – Software Engineer

2021–2022 – Salt Lake City, UT

- **Smart Contracts** - Developed secure smart contracts using Rust, prototyping contract functionality in python.
- **Data Visualization** - Designed interactive data visualizations with React and D3.
- **Docker** - Created dockerized testing environment for ease of collaboration and development on remote team.

OpenLattice – Data Scientist

2019-2020 – Redwood City, California

- **Graph Databases** - Built graph databases and Kotlin API endpoints to streamline process of client data integrations.
- **Python Libraries** - Created internal python libraries for data integration, improving efficiency by over 10x.
- **AI Deduplication** - Enhanced AI models built for deduplication and cross-agency data linking.
- **Client Solutions** - Managed relationships with clients and built technology in response to requirements.

Nightfall AI – Data Analyst

2018-2019 – San Francisco, California

- **NLP Models** - Built BERT based models to identify sensitive information (PHI, PII, API Keys).
- **Flask App** - Built densely informative dashboard to accelerate data labeling workflow.

Evolve Security – Cybersecurity Analyst

2017-2018 – Chicago, Illinois

- **Penetration Testing** - Performed end-to-end vulnerability assessments and penetration testing.
- **Security Audits** - Conducted security audits of internal and external facing web platforms, using tools such as OWASP ZAP, Nikto, nmap.
- **Compliance Testing** - Automated frameworks to check for CIS and NIST compliance benchmarks.

Sorenson Impact Center – Data Science Fellow

2017 – Salt Lake City, Utah

- **ROI Analysis** - Conducted analysis for University of Utah and State Government examining ROI of investing in foster care college education.
- **Recidivism Study** - Analyzed effects of Justice Reinvestment Initiative on prison recidivism.

EDUCATION

University of Utah – Mathematics & Statistics

2012-2017 – Salt Lake City, Utah

- Hong Kong University of Science and Technology - Mathematics Exchange Program - 2013
- Nankai University - Chinese Language Immersion Exchange Program - 2013

SKILLS

Technical - Python (pandas, matplotlib, numpy, sklearn, scipy, tensorflow, keras, spacy, nltk, transformer, gensim, flask), GraphQL, Rust, JavaScript, Kotlin, NLP, Statistics

Design - D3, p5, Blender, Nomad Sculpt, Procreate, three.js, Rhino/Grasshopper

Operations & Leadership - Technical team leadership, Process automation, Training systems development, Workflow optimization, Client communication, Documentation