# Nicholas Hobbs

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**3D Portfolio** - https://nicholashobbs.github.io

## Work Experience

### Operations Manager | Lefty's Bar and Grill | *2023–2025, Ketchum, ID*

- Worked toward optimization of daily operational workflows by implementing data-driven strategies, resulting in cost savings and efficiency gains.
- Designed and deployed custom data tools to automate inventory tracking, streamline supply chain ordering, and analyze key performance metrics.
- Implemented new POS systems and trained staff on their use, improving order accuracy and reducing lost revenue.
- Utilized analytics platforms to monitor and report on operational KPIs, enabling data-backed decision-making and process refinement.

### Sales Operations Manager | Red Rock | *2023, Salt Lake City, UT*

- Managed customer relationships to ensure satisfaction and foster long-term partnerships.
- Created data tools to organize client information and contact for those clients, improving sales operations efficiency.
- Analyzed sales data to identify trends and opportunities, supporting strategic choices for creating new, popular products.

### Software Engineer | Off Piste | *2021–2022, Salt Lake City, UT*

- Developed applications using Rust and Solana, leveraging memory safety for efficient smart contracts.
- Prototyped ideas in Python to implement pricing and determine smart contract functionality.
- Contributed to front-end design using D3 and React, creating interactive visualizations for user engagement.

### Data Scientist | Openlattice | *2019–2020, Redwood City, CA*

- Built a graph database to integrate client data, improving data relationships and accessibility.
- Developed Python tools for seamless data integration, improving efficiency of integration process by 10x.
- Built custom API endpoints in Kotlin for use by data scientists and clients.
- Utilized BERT for deduplication, improving data quality and consistency.
- Created custom D3 visualizations tailored to client needs.

### Data Analyst | Nightfall AI | *2019, San Francisco, CA*

- Built data tagging tools integrated with BERT models to identify sensitive information (PHI, PII, API keys).
- Optimized data processing workflows for accuracy and efficiency in data loss prevention.
- Collaborated with cross-functional teams to ensure compliance with data protection standards.

## Education

**BS Mathematics and Statistics**
University of Utah | *2012–2017*

- **HKUST** – Math Exchange Program, Hong Kong | *2013*
- **Nankai University** – Chinese Language Immersion Program, Nankai, China | *2013*

## Skills

**Technical:** Python (pandas, matplotlib, numpy, sklearn, scipy, tensorflow, keras, spacy, nltk, transformer, gensim, librosa), Rust, JavaScript, Kotlin, NLP, Statistics
**Design:** D3, p5, Blender, Valence 3D, Nomad Sculpt, Procreate, three.js, Rhino/Grasshopper, Sketchup