

# Bobby Lindsey

DATA SCIENTIST · MATHEMATICIAN

✉ contact@bobbywlindsey.com | 🏠 bobbywlindsey.com | 📧 bobbywlindsey | 🌐 bobbywlindsey

## Technical Skills

---

- Python (fluent), SQL (fluent), R (proficient), Spark (proficient)
- A/B Testing, building and deploying models into production
- git, Test-Driven Development, Continuous Integration Continuous Deployment

## Experience

---

### Data Scientist

DIGITAL SERVICES AND INNOVATION, TECHNIPFMC, INC.

2017 - Present

- Reduced excess stock by creating inventory models which led to significant cost savings
- Provided actionable business insights by modeling problems and prioritizing presentation of data
- Increased developer productivity by exposing statistical models as APIs

### Application Developer

ENTERPRISE APPLICATIONS, FMC TECHNOLOGIES, INC.

2012 - 2016

- Eliminated manual data entry by automating billing processes between multiple systems
- Decreased service time of products by building custom APIs to collect and process service data
- Reduced IT Service Desk workload by 10% by creating self-service web applications

## Education

---

### Tarleton State University

M.S. IN MATHEMATICS, DATA MINING

2018

## Projects

---

### ZenML

OPEN SOURCE

- A test-driven data science framework built to be simple yet powerful
- Also contains implementations of deep neural nets, convolutional neural nets, and transfer learning

### Atari Pong AI

OPEN SOURCE

- Built an AI in Python that learned the rules of Pong through reinforcement learning
- AI beats built-in Pong AI by 4 points on average

### Denoising Dirty Documents

OPEN SOURCE

- Stacked a variety of machine learning models to clean up stains, creases and sunspots in scanned documents
- Ranked 13 of 161 in a global data science competition (Kaggle)

### Markov Twain Text Generator & Decryption

OPEN SOURCE

- Created a Mark Twain text generator based on the Markov chain Monte Carlo model
- Implemented the Metropolis Hastings algorithm for decrypting ciphers