Theodore Dyer

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Linkedin: in/theodoredyer | **Portfolio:** theodoredyer.github.io | **Github**: github.com/theodoredyer

EDUCATION

Johns Hopkins University - **M.S.** - Baltimore, Maryland, US   **2020 - 2022**
Degree: **Master of Science, Computer Science** (Focus in AI/ML) - GPA: 3.85
- **Courses:** Quantum Computing, Machine Learning, Data Science, Artificial Intelligence, Software Engineering, Information Retrieval, Computer Architecture, Advanced Analysis of Algorithms

University of California, Santa Cruz - **B.S. -** Santa Cruz, CA, US   **2016 - 2020**
Degree: **Bachelor of Science, Computer Science.**

SKILLS

- **Data Tools**: Apache Spark (PySpark), Python (Pandas, NumPy, scikit-learn, Streamlit), Azure Suite
- **Data Visualization**: D3.js, Tableau, Matplotlib

- **Software Development**: Python, C++, JavaScript & HTML/CSS, CUDA, Flask, Unit Testing, Docker
- **Databases**: SQL & NoSQL, AWS S3, Azure Cosmos

EXPERIENCE

Apple San Diego, CA   5 mos | **Oct 2023 - Current**
Data Engineer (Contract 40 hr/wk)
- AI/ML Data Operations team - Designing and maintaining robust data pipelines, maintaining high data quality and safeguarding private information. Implementing dynamic project automation and data procurement strategies to empower analytics and machine learning initiatives.
  Tech Skills & Tools: AWS S3, Python, SQL

Quidelortho San Diego, CA   10 mos | **Dec 2022 - Oct 2023**
Data Engineer
- Solely orchestrated the design, development, and deployment of a complex medical data system, encompassing an automated data pipeline/ETL system, data modeling, and a secure web application with Flask for data interaction.
- Managed project lifecycle including tech stack selection, system architecture decisions, version control, unit testing, project setup and management in Azure Devops, and management and cost optimization of Azure cloud resources.
  Tech Skills & Tools: Azure (Logic Apps, Cosmos DB, Azure Functions), Python, Flask, HTML/CSS, JavaScript, Docker, Git

Humanyze| Boston, MA   5 mos | **Mar 2021 - July 2021**
Software Engineer Intern
- Reengineered the existing company data pipeline using PySpark and S3 to address PostgreSQL scaling issues for larger clients.
  Tech Skills & Tools: Apache Spark (PySpark), Amazon S3, Amazon Elastic MapReduce (EMR), PostgreSQL, Git

OpenPath | Irvine, CA   5 mos | **Nov 2020 - Mar 2021**
Data Science Intern (Lead)
- Led standup meetings and contributed to e-commerce data standardization and fraud detection projects.
  Tech Skills & Tools: SQL (Azure Data Studio - SQL Server), Python (Pandas, scikit-learn), Tableau

Airbnb Vacation Rental| San Diego, CA   2 yrs | **Oct 2021 - Current**
Property Manager
- Demonstrated effective management and communication skills in overseeing daily operations of the rental and resolving guest inquiries and concerns. Maintained high standards, quality control, and upheld Airbnb policy for 100+ bookings.

CERTIFICATIONS

Udemy: Python for Data Science and Machine Learning Bootcamp   **(Issued September 2020)**
- Implemented and evaluated supervised and unsupervised machine learning models. Intro to NLP, Big Data, Spark.

Linkedin Learning: Python for Data Science Essential Training (Parts 1&2)   **(Issued October 2020)**
- Cleaning data, web scraping (beautifulsoup), exploratory data analysis and data visualizations w/ matplotlib and seaborn.

Linkedin Learning: SQL Essential Training   **(Issued October 2020)**
- Complex queries (sorting/filtering), JOINs, aggregate functions and transactions, triggers for automation.