

ROBERT REANEY

Someone you can trust with customers and stakeholders, who can run a meeting, and will be a positive addition to (and representation of) your business. I come to work with an eagerness to solve difficult problems and to continue learning throughout my career.

EXPERIENCE

IntelliBridge

Data Engineer

May 2023 - Present

Remote, NC

Responsible for hardening and expanding company data offering to support LLM applications.

- Managed data backend for company's AI/ML commercial solution using Databricks, Github actions, AWS, TerraForm, and spark.
- Reduce response to customer information requests from 1 month to 1 day with automated data pipelines, data modeling, and change data capture.
- Gained responsibility of 2 interns within 2 months of employment to guide projects involving LangChain, Hugging Face, and deployed ML models.
- Championed infrastructure as code and automated testing for data science department.

Anyar, Inc.

Lead Data Scientist

October 2020 - May 2023

Remote, FL

Technical lead for data science department and first point of contact for stakeholders. Modeling, simulation, and analysis (MS&A) support for numerous defense related research and development organizations. Served as the sole Subject Matter Expert for data science and machine learning across numerous projects totaling over \$20,000,000 in funding.

- Led team of up to 8 across 4 or more simultaneous data science projects.
- Project manager for Graph Neural Network multi-year research efforts with additional funding awards totaling 600k to research fast-running surrogates for finite element methods.
- Created ML test suite to benchmark novel algorithm development.
- Deployed standardized ML training across a variety of hardware including High Performance Computing systems using Docker and Singularity containers.
- Consulted on technical and architectural decisions for multi-million dollar analysis efforts.
- Led business development for company's flagship software.
- Automated analysis pipelines using python, gitlab, Docker, and cloud computing.
- Coordinated scientists, engineers, analysts, and developers to translate design objectives and available metrics into actionable analysis plans and outcomes.
- Developed and delivered presentations and training for audiences of varying technical expertise.

University of Central Florida

Graduate Teaching Assistant

August 2018 - May 2020

Orlando, FL

STA 2023 (Statistics I) & STA 4163 (Statistics 2)

Lake Brantley High School

Math Teacher

August 2017 - May 2018

Altamonte Springs, FL

Introduced public school to individualized learning programs for at risk students.

EDUCATION

University of Central Florida

Statistical Computing M.S. - Data Mining, GPA: 4.0

Probability, Statistics, Machine Learning, Stochastic Processes

August 2018 - May 2020

University of Central Florida

Mathematics B.S., GPA: 3.4

January 2015 - August 2017

RECOGNITION

2022 19th SimTim. Las Vegas, NV. “Large-scale Parallelized Simulation”.
2022 90th MORS Symposium. Quantico, VA. “Large-scale Parallelized Simulation”.
2022 Digital Engineering Summit. Niceville, FL. “Large-scale Parallelized Simulation”.
2021 Technical Interchange Meeting. Raleigh, NC.
2021 18th SimTim. Las Vegas, NV. “Distributed Scientific Workflows with SOFA”
2021 89th MORS Symposium. Remote. “Applied UQ for V&V of Simulation Systems”
2020 American Board for Certification of Teacher Excellence - Mathematics Certification
2009 3rd Degree Black Belt, Chun-Kuk-Do