

# Robert A. Reed

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## EDUCATION

### University of Michigan - Dearborn — B.S. in Data Science

GPA: 3.6, Graduated with High Distinction

SEPTEMBER 2016 - APRIL 2021

## EXPERIENCE

### Ford Motor Company, Dearborn, MI — Product Manager

AUGUST 2021 - PRESENT

Coordinated cross-functional teams for developing the Road Experience Management Product to improve mapping quality and autonomous driving capabilities.

### DTE Energy, Detroit, MI — NERC Compliance Analyst Intern

JUNE 2020 - NOVEMBER 2020

Analyzed power plant data to schedule and monitor preventive maintenance so that power plants would meet The North American Electric Reliability Corporation Compliance standards.

### Summit on the Park, Canton, MI — Facility Assistant

JULY 2018 - DECEMBER 2019

Responsible for front-line duties to assist with facility operations while acting as customer service representative and staff support assistant.

## PROJECTS

### Road Experience Management — Product Manager

AUGUST 2021 - PRESENT

Road Experience Management (REM) is a product that takes forward-facing vehicle camera data which provides critical information for Ford BlueCruise. I aligned stakeholders on product vision, requirements, and prioritization of tasks to enable the product success for REM.

### PrintAPart: 3D Printing Networking Web Application — Software Engineer

SEPTEMBER 2020 - APRIL 2021

Designed and developed a web application that connects people who need 3D printed parts to those that have 3D printers. This project won the first place College-Wide award in the University of Michigan Senior Design Competition.

### DTE Energy Preventative Maintenance Dashboard — Analyst

OCTOBER 2020

Created a PowerBI dashboard for monitoring the preventative maintenance task completion per DTE power plant. The dashboard tracks multiple metrics and uses data visualizations which automatically update with new incoming data.

## SKILLS

**Python** - NumPy, Pandas, Regex, Seaborn, Scikit-Learn, PySpark, Beautiful Soup, NLTK, Matplotlib, Jupyter Notebook

**R** - Tidyverse, ggplot2, Caret, Rmd, Knitr

**Statistics** - Hypothesis Testing, Confidence Intervals, Data Visualization, ANOVA

**Machine Learning** - Linear and Logistic Regression, Naive Bayes, SVMs, PCA, Random Forest, Classification, Clustering

**Data Manipulation** - Cleaning, Validation, Transformation, Modeling

**Databases** - PostgreSQL, NoSQL

**Dashboard Creation** - Power BI, Splunk, Grafana

Git and GitHub

Basic JavaScript, HTML and CSS

**Microsoft Office Suite** - Word, PowerPoint, Excel, SharePoint, Outlook, Teams,

**Adobe Creative Suite** - Photoshop, Illustrator, InDesign, After Effects, Premier Pro, XD

Inkscape, Gimp, Lucid Chart, DaVinci Resolve

**Jira, Kanban, Agile, Scrum**

## AWARDS & ACTIVITIES

### DTE Energy Dependability Awards

AUGUST AND OCTOBER 2020

### College-Wide Design Competition Winner

APRIL 2021

### Dean's List

SEPTEMBER 2016 - APRIL 2021

### Data Science Association Contributor

SEPTEMBER 2018 - APRIL 2021