



# ELOWEN GRAVES

## AI/ML PRODUCT MANAGER

### CONTACT

e.graves@email.com 

(123) 456-7890 

Seattle, WA 

[LinkedIn](#) 

### EDUCATION

Master of Science

Data Science

University of Washington

2015 - 2017

Seattle, WA

### SKILLS

TensorFlow

PyTorch

Keras

Scikit-Learn

Apache Spark

Jupyter Notebook

H2O.ai

Microsoft Azure Machine

Learning

Google Cloud AI

IBM Watson

### WORK EXPERIENCE

#### AI/ML Product Manager

Zillow

2022 - current / Seattle, WA

- Implemented AutoML features of Google Cloud AI, streamlining model development and reducing average development time by 27 hours/project
- Upgraded the pricing algorithm using H2O.ai AutoML, increasing quarterly revenue by 2.4M by targeting listing enhancements
- Led the development of a machine learning model using TensorFlow, **increasing recommendation accuracy for property listings by over six million users and improving conversion rates by 19%**
- Improved image search capabilities by integrating Keras-based CNNs, reducing property search time by 26% for users and driving a 7% increase in click-through rates

#### Machine Learning Engineer

Expedia Group

2019 - 2022 / Seattle, WA

- Managed the integration of Apache Spark Streaming for real-time fraud detection, processing 14,208 booking transactions per minute and reducing fraud cases by 44%
- Developed and optimized deep learning models using PyTorch, **boosting hotel booking prediction accuracy by 16% and increasing revenue by 2 million over six months**
- Refined the search result relevance algorithm using Scikit-Learn, trimming irrelevant results by 12% and enhancing the user experience for over 11.2 million customers
- Systematized the workflows for analyzing flight delays using Jupyter Notebook and Scikit-Learn, reducing report generation time by 76%, from four hours to one hour

#### Junior Machine Learning Engineer

Tableau Software

2017 - 2019 / Seattle, WA

- Overhauled the model evaluation pipeline using TensorFlow Extended (TFX), **cutting model retraining time by 54% and enabling 28% faster deployment of new features**
- Assisted the integration of NLP tools from IBM Watson for automatic text-to-data transformation, reducing manual data input by 18 hours weekly
- Collaborated with data scientists to preprocess and augment training datasets using Keras' ImageDataGenerator, increasing model robustness and reducing overfitting by 17%
- Coordinated the migration of machine learning workflows to Microsoft Azure Machine Learning, cutting cloud-related downtime by six hours per month