

VANESSA TRUJILLO

vanessa-trujillo@outlook.com
linkedin.com/in/vanessa-trujillo
trujivan.github.io/personal-website
medium.com/@vanessa.trujillo

Skills

Technical Skills: R, Python, Stata, SAS, SQL, Git & Version Ctrl, Postman, SFTP, Jira, Salesforce Einstein, Generative AI, LLM, NLP, APIs, PyTorch, Deep Learning, Data Visualization, Machine Learning Algorithms, Probability Theory, Neural Networks, Docker, Distributed Computing, AWS

Interpersonal Skills: Leadership, Communication, Teamwork, Problem-solving, Decision-making, Adaptability, Empathy, Conflict Resolution

Projects

Implementing Lightweight Fine-Tuning on a Foundation Model

[Github Repo](#), [Medium Article](#)

- Implemented PEFT (Parameter-Efficient Fine-Tuning) technique, unfreezing all model parameters after initial training for adaptability to specific tasks.
- Utilized distilbert-base-uncased as the base model for both initial training and fine-tuning.
- Employed Trainer class from Hugging Face transformers library for evaluation, with "epoch" strategy for periodic evaluation including loss, accuracy, runtime, and other metrics.
- Fine-tuned the model on a subset of rotten_tomatoes dataset using LoRA config, preprocessing it with distilbert-base-uncased tokenizer for optimal performance.

OpenAI Custom Chatbot

[Github Repo](#), [Medium Article](#)

- Developed a custom chatbot project using OpenAI API, allowing for dynamic conversation on nearly any topic sourced from Wikipedia. Utilized Wikipedia as the dataset due to its extensive coverage of various subjects, providing rich content for chatbot responses.
- Implemented data wrangling techniques to preprocess text data from Wikipedia, ensuring its suitability for training and inference.
- Demonstrated the chatbot's performance with predefined questions about the Moon, showcasing its ability to provide informative responses sourced from Wikipedia. Custom question operation also handled.

AI-Driven Background Substitution Web Application

[Github Repo](#), [Medium Article](#)

- Developed a web application enabling background substitution for images using Stable Diffusion through a text prompt.
- Install necessary packages and configure the environment, ensuring seamless integration of AI models and deployment of the application .
- Utilized Python libraries such as diffusers, gradio, accelerate, torch, and transformers to implement the functionality.
- Demonstrated project progress through regular updates and presentations to management and stakeholders, highlighting achievements and future steps.

Personalized Real Estate Agent: AI powered Real Estate Assistant

[Github Repo](#), [Medium Article](#)

- Developed a personalized real estate agent application, leveraging machine learning techniques.
- Utilized Python and various libraries including langchain, OpenAI, and chromadb to generate real estate listings data, save it to a CSV file, and read it into a DataFrame.
- Demonstrated proficiency in managing project dependencies, initializing OpenAI chat models, and performing data manipulation tasks to analyze generated real estate data.

Covid Helpline: Open-source SMS solution to make the latest news, alerts, and vaccination accessible

- Assisted in building the original project Model foundation and managed the deprecation and migration of covid-helpline to the new bot initiative, Project Li, facilitating a seamless transition for users and stakeholders.
- Orchestrated a successful fundraiser through GoFundMe, securing essential funding for the project and ensuring its continued operation.
- Established a robust online presence across multiple social media platforms, including Facebook, Instagram, Twitter, and YouTube, reaching over 800 members and amplifying the project's impact.
- Received a prestigious \$500 grant from Twilio in recognition of the project's innovative approach and contribution to combating the Covid-19 pandemic.

Work Experience

Duetto Research – Las Vegas, Nevada - Remote

June 2021 – January 2024

Deployment Project Lead

- Spearheading LATAM accounts as the Main Deployment Project Lead. Utilizing Salesforce, Jira, Postman, Cyberduck, Google Suite, and Google Tag Manager to manage projects and tasks effectively.
- Coordinating and managing 60+ accounts and over 100+ hotels, integrating Duetto into various Property Management Systems, Channel Managers, and Rateshoppers. Successfully achieving revenue recognition of \$1,000,000+ ARR.
- Configuring data imports and troubleshooting issues, overseeing web analytics implementation

Healthcare Startup - 3iyeda.com

Lead Project Manager

- Led cross-functional teams to develop and implement AI-driven solutions for automating medical prescription and procedure submissions. Collaborated with IT and development teams to customize solutions based on the unique needs of medical and dental practitioners.
- Implemented monitoring tools to track system performance, identify trends, and address any deviations from expected outcomes.
- Prepared regular progress reports and presentations for management and stakeholders, highlighting accomplishments, challenges, and future initiatives.

Ai Design Corps™ – New York, New York - Remote

January 2020 – January 2021

Project Manager, Project Li

- Contributed to the mission of preventing COVID-19 contraction by scaling access to scientific information.
- Led project tasks delegation based on team members' strengths, skill sets, and experience levels.
- Tracked project performance and analyzed Twilio Data exports to create reports and dashboards.

Ameren – St. Louis, Mo

March 2019 – January 2020

Application Developer, APIs

- Developed, tested, debugged, and documented programs while maintaining application interfaces, reports, and custom functionality.
- Migrated 37 CRM REST APIs to a standardized dynamic version and created reports and dashboard visualizations through Salesforce training.
- Participated in agile methodologies and training, gaining proficiency in Salesforce, MuleSoft, Maven, Confluence/Jira, Postman, Anypoint Studio, JavaScript, DataWeave, and Oracle SQL Developer.

Education

Generative AI Nanodegree, Udacity

April, 2024

Cert. Machine Learning Foundations for Product Managers, Duke University

September 2023

Bachelors of Science, Mathematics, *University of Illinois, Chicago*

December, 2019