

Kezia Grace West

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SUMMARY

Linguist and functional consultant with hands-on experience in early-stage NLP, prototype development, and low TRL research. Proven track record in integrating systems and deploying multilingual AI solutions across English, Spanish, and Traditional Chinese. Developed regex-based speech classifiers and simulation-based LMS prototypes, applying AI techniques like deep learning and computer vision. Ready to support applied AI initiatives throughout the full system development lifecycle.

EDUCATION

University of Texas at Arlington

Bachelor of Arts in Linguistics

Expected Dec 2026

Arlington, Texas, USA

PROFESSIONAL EXPERIENCE

Global Career Accelerator

Front-End Developer

June 2025 – Sep 2025

Dallas, Texas, USA

- Delivered 3+ full-stack prototypes using HTML, CSS, Tailwind, JavaScript, Node.js, JSON, and Three.js — combining clean UI/UX with interactive and accessible features
- Led the build and deployment of a charity:water educational mini-game; reduced user friction by 40% through intuitive navigation, semantic structure, and AI-enhanced learning prompts
- Created NASA Space Explorer app using the APOD API; implemented date-range filtering, responsive media rendering, and a daily “Did You Know?” astronomy fact generator with hover effects and modal views
- Designed and deployed L’Oréal Smart Product Advisor, a branded OpenAI GPT chatbot using Cloudflare Workers and a secure API proxy to handle multi-turn, multilingual queries in a mobile-optimized layout
- Used .env files, .gitignore, and GitHub Codespaces to manage local credentials and protect API keys during development
- Implemented session isolation and environment-specific logic for testing vs. deployment using node-fetch, dotenv, and browser compatibility fallbacks
- Versioned all work with Git Bash, tracked issues using GitHub Projects, and tested cross-browser rendering to ensure stability on mobile and desktop devices
- Integrated markdown-to-HTML rendering, accessibility features (ARIA roles, screen-reader tags), and custom animations to match brand requirements across projects

NinetyFive ARTS, LLC

NLP Researcher & Speech Systems Prototyper – Romance Language Classifier

May 2025 – Aug 2025

Dallas, Texas, USA

- Created a real-time voice-activated NLP system for classifying Romance languages in speech.
- Built a Streamlit-based UI and CLI fallback interface that detects Spanish, Portuguese, and Italian using Whisper transcription and morphological regex patterns
- Applied Naive Bayes classifiers and parts-of-speech tagging to boost classification accuracy >85% across 60+ speech samples
- Designed system for dialect expansion and low-resource language scaling in field applications

Kirton Consulting Group (Contract)

ERP Implementation Consultant

Nov 2024 - Apr 2025

Murphy, Texas, USA

- Migrated 10,000+ student records and automated scheduling via REST API integrations, reducing manual load by 80%
- Collaborated cross-functionally with international Odoo specialists in Spain and offshore IT teams, using cultural fluency and time zone agility to streamline technical implementation
- Customized ERP dashboards and LMS workflows, improving user adoption by 40% within the first 60 days
- Delivered bilingual (EN/ES) training and authored helpdesk documentation, cutting support tickets by 55%
- Automated backend logic and notifications to eliminate redundant tasks and enhance client operations

MediBang Global Distribution and Localization (Contract)

Chinese Localization Specialist

June 2024 – July 2024

Shibuya, Tokyo, Japan (Remote)

- Localized a serialized webcomic from Traditional Chinese to American English, translating low-variety, casual Mandarin into culturally equivalent informal English dialogue
- Preserved tone, humor, and character voice across regional language gaps by applying sociolinguistic judgment and idiomatic fluency
- Collaborated with editorial staff to streamline the review and publication workflow for serialized digital releases
- Ensured consistency in spelling, register, and style while navigating layout and bounding box constraints

Scale AI (Contract)

AI Linguistics & Coding Trainer (Multilingual NLP & Logic)

May 2023 - Nov 2024

Dallas, Texas, USA (Remote)

- Trained large language models (LLMs) via Reinforcement Learning from Human Feedback (RLHF), fine-tuning model behavior across multilingual prompts and code-based tasks in Python, JavaScript, and C++
- Authored and annotated high-quality training data with structured reasoning chains, labeled outputs, and ranking-based preferences to guide model alignment with human intent
- Created and evaluated 100+ multilingual logic challenges involving code comprehension, edge-case handling, and prompt injection resilience; improved task reliability and semantic accuracy by over 20%
- Used labeling frameworks and prompt evaluation rubrics to reduce hallucinations, bias, and syntactic drift in Spanish, English, and Traditional Chinese outputs
- Conducted linguistic QA across diverse output scenarios, achieving >95% precision in tone calibration, grammatical structure, and domain-consistent content
- Applied bias mitigation techniques and sociolinguistic awareness to refine model responses involving sensitive topics, regional variants, or underrepresented dialects
- Collaborated in iterative model refinement cycles with prompt engineers and annotation reviewers, balancing model safety, relevance, and global language nuance

Prudentia (NinetyFive ARTS, LLC)

Oct 2020 - May 2023

Founder & NLP Prototype Developer (Part-Time, Self-Directed)

Dallas, Texas

- Spearheaded the development of Prudentia, a bilingual immersive language learning simulation combining NLP, speech recognition, and virtual environments to support long-term fluency acquisition
- Designed open-world AR/VR learning environments with branching dialogue, memory-based NPC interactions, and CEFR-aligned progression paths, emulating study-abroad immersion in a digital format
- Selected by the National Science Foundation to submit a 25+ page Phase I proposal for innovation in language education technology, showcasing technical viability, social impact, and commercial readiness
- Engineered multi-modal learning pipelines using speech recognition AI (Whisper), POS tagging, semantic similarity, and sentiment-aware tone matching to adapt content to learner input in real time
- Implemented age-responsive NLP logic that adjusted interaction complexity based on learner proficiency, grammar comprehension, and cognitive profile
- Designed culturally relevant learning scenarios and emotionally charged in-game interactions to build empathy, social competence, and conversational adaptability across diverse dialects
- Created technical risk mitigation strategies for AR/VR + AI integration, data privacy, adaptive scaling, and dynamic content generation in collaboration with prospective software partners
- Authored a complete technical framework outlining learner rubric alignment (ACTFL, CEFR), machine learning personalization pathways, and immersive feedback mechanics

KEY SKILLS & SYSTEMS

Programming & Web Development: HTML, CSS, JavaScript, JSX, React, Node.js, Three.js, XML, JSON, Tailwind, Bootstrap, Streamlit, Flask, Responsive Design, Accessibility-First UI/UX, Markdown-to-HTML Rendering

AI / Machine Learning / NLP: Python, Machine Learning (Supervised & Unsupervised), Scikit-learn (Basic), Naive Bayes, Neural Networks (Basic), Whisper, Wav2Vec (Basic), Speech Recognition AI, Reinforcement Learning from Human Feedback (RLHF), LLM, Alignment Testing (Zero-shot & Few-shot Prompting), Prompt Engineering, Sentiment Analysis, Tone Calibration, POS Tagging, Semantic Similarity, Intent Detection, Named Entity Recognition, Dialogue Management, Multilingual QA (EN/ES/中文), Custom Evaluation Rubrics

Platforms & Systems Integration: Git, GitHub Codespaces, Git Bash, RESTful APIs, Cloudflare Workers, Odoo ERP, MRI/Yardi SAP, Stripe API, LMS Setup & Integration, Jira, Endpoint Testing, DNS Transfers, SSL Setup, Web Hosting, Data Migration, Accessibility Audits (ADA), Performance Optimization, Testing & Debugging

Simulation & Game Logic Design: VR/AR Simulation Frameworks (Concept & R&D), Gamified LMS Design, Open-World Sandbox Logic, Dialogue Branching & NPC Memory Logic, Proficiency-Based Scaling (ACTFL/CEFR Mapping), Reputation & Consequence Systems, Age-Responsive Language Progression

Other Technical Tools & Research Ops: BRAT (Basic - Syntactic Relation Mapping), Virtual Environments (venv, conda), Microsoft Excel (Advanced Formulas & Imports), Data Labeling Tools, Custom Annotation Interfaces, Google Cloud (Basic)

Operational Strengths: Bilingual Communication (English/Spanish), Multicultural Competence, Client Relationship Management, Empathy-Driven Instruction, Intercultural Collaboration, Stakeholder Communication, Helpdesk Documentation, Technical Training Delivery, Cross-Functional Teaming