Kyle Shaffer

Frontend Developer & AI Specialist

Experienced Machine Learning Scientist & tech professional targeting Frontend Dev role.

🏠 Portfolio   💻 GitHub   in LinkedIn   ✉ Email   📞 414-517-7191

EXPERIENCE

RWS GROUP | NLP RESEARCH SCIENTIST
Sept 2020 – Current | Los Angeles, CA (remote)

- → Collaborate with engineering teams to deploy custom trained NLP models to production, increasing language coverage for users.
- → Test, evaluate, and fine-tune open-source Large Language Models (LLM's) for internal use cases.
- → Build data processing pipelines using REST APIs to increase efficiency of model ingestion and training.

QNTFY | SR. DATA SCIENTIST
Dec 2018 – Sept 2020 | Arllington, VA (remote)

- → Trained and deployed containerized deep learning models within larger project pipelines for data-intensive micro-service applications.
- → Implemented, tested, and evaluated machine learning models from research papers.

MICROSOFT | DATA & APPLIED SCIENTIST II
May 2017 – Dec 2018 | Redmond, WA

- → Worked closely with other data scientists and engineers to integrate models into web-based machine learning service components.
- → Built and evaluated deep learning models for natural language applications including grammar analysis, sequence and word tagging, and document classification.

PACIFIC NORTHWEST NATIONAL LABORATORY | DATA SCIENTIST II
May 2017 – Dec 2018 | Seattle, WA

- → Built and validated deep learning models for application areas in language and image analysis relevant to client needs.
- → Tested and developed natural language processing and entity-extraction models as modules for larger software pipelines.

PROJECTS

VISUAL QUESTION ANSWERING WEBAPP | REACT, JAVASCRIPT, LLM'S, VERCEL
vqa-llm-app.vercel.app

- → Built single-page web-app in React allowing users to interact with Visual Question Answering LLM able to ingest image and text data.
- → Integrated HuggingFace machine learning REST API for easily interacting with deployed LLMs.
- → Deployed web-app on Vercel hosting service via GitHub integration.

TWITTER SENTIMENT MAP DURING COVID-19 | D3.JS, JAVASCRIPT, HTML, VERCEL
covid-sentiment-viz.vercel.app

- → Built single-page data app using dynamic animation from D3.js to visualize sentiment expressed on Twitter over several months during COVID pandemic.
- → Fetched, processed, and cleanly visualized GIS data from web sources.
- → Deployed web-app on Vercel hosting service via GitHub integration.

SKILLS

PROGRAMMING
JavaScript • Python • HTML • CSS • SQL

LIBRARIES/FRAMEWORKS
React • D3.js • ChakraUI • Flask • PyTorch • Pandas

TOOLS/PLATFORMS
Git • Vercel • AWS

EDUCATION

UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL
M.S. IN INFORMATION SCIENCE
May 2015 | Chapel Hill, NC

UNIVERSITY OF WISCONSIN, EAU CLAIRE
B.A. IN PHILOSOPHY
May 2010 | Eau Claire, WI

CERTIFICATIONS

Certificate: Advanced React Meta (Coursera 2024).
Skills: Responsive web development, component design, React hooks, REST APIs.

Certificate: Programming with JavaScript Meta (Coursera 2024).
Skills: Fundamentals of JavaScript, object-oriented programming, DOM element manipulation, unit tests.

Certificate: HTML & CSS In-depth Meta (Coursera 2024).
Skills: Responsive web layout, Bootstrap.css, interactive UI design.