JENNY NGUYEN
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EDUCATION

SAN DIEGO STATE UNIVERSITY, San Diego, California | Bachelor's in Computer Science | August 2021 - May 2023

TECHNICAL SKILLS & APPLICATIONS

- Programming Languages: C,C++,C#, Python,SQL & MySQL, Java & Javascript, HTML/CSS, Bash shell scripting
- Frameworks & Libraries: streamlit, JSON, REST API, SQLite, React, Flask, Node.js, Next.js, Pytorch, Transformers, Keras, Matplotlib, MATLAB, TensorFlow, pandas, OpenSSL, NumPy, Google Cloud Services, streamlit
- Software & Tools: Microsoft 365, Office Suite (Excel, Word), Visual Studio, VMware, VSphere, Pycharm, CLion, Unity, IntelliJ, Git, .NET Core, Anaconda, MySQL Workbench, R Studio, Powershell, Bash, Vim, Virtualization, Jupyter Notebooks, Hyper-V: Azure, Docker, & Cloudstack, VertexAI
- Certifications(In-Progress): SAA-C03:AWS Solutions Architect, AZ-900: Microsoft Azure, ComptiaA+
- Operating Systems: Windows, macOS, UNIX
- Networking: Network Topology, SSH, LDAP, DHCP, DNS, TCP/IP stack

WORK EXPERIENCE

RADICALX | New York, NY/Remote | Artificial Intelligence Engineering Intern | September 2023 - Present

- Artificial Intelligence Engineer at RadicalX, assisting in the design and development of AI models leveraging technologies such as OpenAI, Botpress, Inworld.ai and TensorFlow to develop an AIDev Manager
- Conducted data analysis and preprocessing for machine learning. Created algorithms for personalized and adaptive learning, and devised robust anti-cheat and fraud detection systems while fine tuning existing models.
- With Agile practices, developed RadicalX's learning exercise module with VertexAI, Google Cloud, LangChain, and Firebase. Finalized the interactive chatbot while researching effective prompting, model design and testing

VICKI'S NAILS | La Mesa, CA | Software Developer & Nail Technician | February 2017 - Present

- Collaborated with a small team to design & implement software programs using Microsoft SQL Server Management Studio, applying database design, data normalization, indexing, & query optimization.
- Responsibilities include designing the database schema, queries, administration, & security.
- Streamlined scheduling, employee management, inventory, & clientele data with exceptional customer service.

COMPUTERS2KIDS | Miramar, CA | IT Support Volunteer | July - August 2021

- Refurbished computers for low-income families, installed,configured, tested OS, & prepared error reports.
- Assisted with E-Waste Event organization & donor communication.
- Managed inventory databases, ensuring accurate record-keeping & efficient data entry

PROJECTS

Agriculture Drone(2023) | Java, servlets, JSP, REST Web Services, JSON, HTML

- Engineered a web application for real-time agricultural monitoring, enabling assessment of land and crop health through drone communication.
- Leveraged Java servlets, JSP, and RESTful Web Services for efficient data exchange and dynamic web content, coupled with secure database management for rapid analysis and reporting.

AI UI/UX Evaluator (2023) | Python, Flask, Javascript, HTML, Google Cloud Storage, Vertex AI, PIL, BLIP, Git

- Developed an AI-driven Flask web application for automated UI/UX feedback on web and mobile designs, utilizing Google Cloud Storage and Vertex AI for processing and analyzing user-uploaded PDFs.
- Implemented text and image extraction, AI-based image captioning with BLIP, and comprehensive design evaluation, training the AI on extensive UI/UX samples for accurate layout and usability analysis.

LLM Interactive Webpages | Flask, Javascript, HTML5, fabric.js, Git

- Researched and devised a web application integrating a Large Language Model (LLM) to render real-time JavaScript and HTML animations on a canvas in response to user inputs.
- Developed a novel middleware layer to translate LLM outputs into canvas commands using HTML5 libraries, enhancing user learning through interactive visualizations and educational games.

Real-Time ASR Translator (2023) | Python

- Developed with pair programming techniques to forge a deep learning-based acoustic model for speech recognition using Scrum methods. Used Mel-frequency cepstral coefficients, convolutional & recurrent neural networks for speech recognition & multi-language translation. Included an interactive GUI for users to record, & listen to translated speech.

AWARDS & PROGRAMS

- Dean's List & Honors, MESA STEM Program for Disadvantaged Students, PRIOR Learning Certification