

Jeffrey Wang

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Javascript, Python, C++

EXPERIENCE

Booz Allen Hamilton, Remote

Nov 2022 - Current

Software Engineer - **Javascript, Python, React.js, Material UI, Langchain**

- Improved performance of uploading data resulting in a speed improvement from 450s to 7s by reducing network overhead
- Deployed Booz Allen's submission for VA Aspire AI Tech Sprint resulting in a Finalist placement
- Led migration from Material UI v4 to v5 resulting in improved user experience
- Demonstrated use of local language models for sensitive data by parsing data from pdf

MITRE Corporation, Shaw AFB

May 2021 - June 2022

Software Engineer - **Python, Javascript, Flask, Pytorch, Vue.js, Vuex, Kafka, Docker**

- Led software development in team of 5 to hosting a successful simulation by architecting a secure app using Kafka and node.js
- Created document discovery tool resulting in tech transfer by using TF-IDF and BERT models
- Wrote a white paper on monorepos resulting in department funding by looking at ways to tackle siloing
- Enabled a live demo with a key sponsor by moving data out of client side code
- Helped site establish academic connections resulting in ongoing collaboration by reaching out to academics at my alma mater
- Extended local computer vision application with range estimation, location, and direction services

MITRE Corporation, Shaw AFB

Jan 2020 - Aug 2020

Research Co-op - **Python, Pytorch, Java, Spring, Flask, Detectron2**

- Developed dataset and labeling pipeline resulting in a total of 550 labeled classification instances by using labelstud.io, web scraping, and using field data
- Deployed computer vision model with mAP (COCO) of 40 by fine-tuning ResNet models
- Participated in sponsor demos resulting in department award by deploying server and troubleshooting
- Won AI Competition for phishing detection with F1 score of .985 by fine tuning Google ELECTRA model

PROJECTS

localGPT (<https://github.com/PromptEngineer/localGPT/>)

June 2023 - Current

Maintainer - **Python, Javascript, Langchain, FastAPI**

- Worked with creator to introduce features, refactor, and planning
- Helped community troubleshoot issues

Langchain (<https://github.com/langchain-ai/langchain>)

July 2023 - Current

Contributor - **Python**

- Added RoPE scaling support for LlamaCpp class

Chaat UI (<https://chat-ui-imjwang.vercel.app/>)

Sept 2023 - Current

Creator - **Next.js, Typescript, Tailwind, Radix, Shadcn**

- Soon to be Component Library for chat interfaces

dev-gpt (<https://devpost.com/software/dev-gpt>)

June 2023

Creator - **Python, Langchain, Pinecone**

- Created chatGPT functions agent to create tickets and pull requests based on current and past conversations

LEADERSHIP & HONORS

Clemson Artificial Intelligence Club

Jan 2021 - May 2021

Founder & President

- Kick started the club reaching an attendance of 50 by collaborating with faculty initiatives, NCSU AI Club, and industry
- Created intro to deep learning notebook with pytorch on colab (<https://github.com/Clemson-AI/Intro>)
- Created style transfer notebook, which is also my github avatar (<https://github.com/Clemson-AI/p2gan>)

EDUCATION

Clemson University, Clemson, SC

May 2021

Bachelor of Science, Computer Science

Udacity Deep Learning Nanodegree

July 2020