Bingying Jiang

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Personal Website

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Education

Computer Science

University of Maryland · College Park, MD   12/2022

Computer Science

Montgomery College · Rockville, MD   05/2020

Experience

Software Developer Intern

CATE.Inc · Fuzhou, China   05/2021 - 08/2021

- Developed a fully functional, modernized full-stack web application for efficient customer management utilizing Node.js and React, including implementation of data visualization features for customer information such as location and past orders.
- Constructed RESTAPI endpoints with Node and Express to enable seamless CRUD operations for the customer database.
- Revamped an existing hardware status dashboard for the company's laser product, utilizing Mcgs Pro filtering techniques to eliminate 70% of unnecessary data, resulting in a more streamlined and user-friendly interface.

Projects

AI Image Generation Application - Javascript

- Developed an innovative AI generation web application using **MERN** stack.
- Utilized **Tailwind CSS** to design and develop a user-friendly interface that allowed users to input text and generate corresponding images with high accuracy and speed.
- Leveraged **OpenAI DALL-E model** to generate unique and high-quality images based on user inputs, improving the overall functionality and usability of the app.
- Integrated **Cloudinary**'s cloud-based image management platform into the app, allowing for seamless image processing and storage while ensuring the app remained performance.

Legacy Web Crawler - Java

- Used **concurrent programming techniques** to enhance a legacy web crawler and take advantage of **multi-core architectures.**
- Build a method profiling tool to measure the efficiency of the crawler and prove the benefits of the parallel.

Skills

Python, Javascript, C++, Java, Typescript, Node.js, React, Redux, Flask