

KAI YUN

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EDUCATION

Northwestern University
Bachelor's, Computer Science

Sep 2018 - Sep 2023
GPA: 3.9

PROFESSIONAL EXPERIENCE

Keli Network Inc.
Software Engineer

Chicago, IL, USA
Apr 2022 - Nov 2022

- Deployed and enhanced the internal data analytics web app, integrating it seamlessly with Jellysmack's systems, ensuring client satisfaction and smooth operation.
- Secured CEO approval for company-wide implementation after presenting app demos to C-suite executives, and implemented OAuth 2.0 authorization for secure access to hundreds of YouTube accounts.
- Developed comprehensive tests to ensure app reliability and fast issue resolution.

Authentic Media Ascension LLC
Founding Software Engineer

Chicago, IL, USA
Oct 2021 - Apr 2022

- Automated data processing for YouTube clients using Python and Google Cloud, reducing processing time from 12 hours to 15 seconds and contributing to a 504% increase in views and 402% revenue growth for a client.
- Built ETL pipelines and implemented NLP sentiment analysis models with 91% accuracy, driving a 133% increase in revenue and generating over \$500,000, leading to the startup's acquisition.
- Led the transition from manual processes to automated data storage in BigQuery, improving scalability and enabling advanced analytics.

PROJECTS & OUTSIDE EXPERIENCE

LLM-Powered Job Application Automation Tool

Sep 2024 - Present

- Developed a Chrome extension that automates job application processes using LLM, dynamically filling out forms.
- Integrated GPT-4 API to intelligently map and autofill user details based on form structures, enhancing accuracy and efficiency.
- Secured API keys using environment variables (dotenv) and implemented backend services (Express.js, Node.js) to manage secure communication and field mapping.
- Utilized Chrome APIs to ensure seamless communication between background scripts and content scripts, improving user experience.

FitFrame: Automatic Fitness App

Jan 2024 - Present

- Developed a user-friendly iOS app using Swift aimed at athletes and fitness enthusiasts to streamline daily social media updates by enabling photo capture, storage, and automatic posting to Instagram, enhancing daily user engagement and content management
- Implemented robust features within the app, such as a daily workout log and photo storage system, facilitating users in tracking their fitness progress and simplifying the process of sharing their achievements on social media platforms.
- Designed and integrated an automated posting mechanism that syncs with users' Instagram accounts to schedule and upload posts, significantly reducing the time and effort required for manual updates and improving user experience

Partisanship Detector
Software Engineer

Mar 2021 - Jun 2021

- Collaborated with developers and journalists to create a website that detects politically charged language, helping journalists maintain unbiased writing using NLP and BERT classifiers.
- Increased distribution efficiency by developing a Python email generator to serialize results from the Bi-LSTM model into HTML emails.
- Led research sprints, refining the prototype through iterative interviews with journalists to align the product with user needs.

SKILLS

Skills: React, TypeScript, Node.js, Tensorflow, Pytorch, AWS, jQuery, Git, R, MongoDB, SQL, Python, MATLAB, Web Development, NoSQL, C/C++, JavaScript, Pytorch, AWS, SQL, Next.js, iOS/Swift, Deep Learning, Scikit-Learn, Streamlit