ERWIN CHIU

SOLUTION ARCHITECT

PROFILE

Experienced Solutions Architect with a strong background in AI Prompt Engineering and extensive expertise in operations and ERP management. Skilled in designing innovative solutions that leverage cutting-edge AI technologies to enhance business processes and operational efficiency.
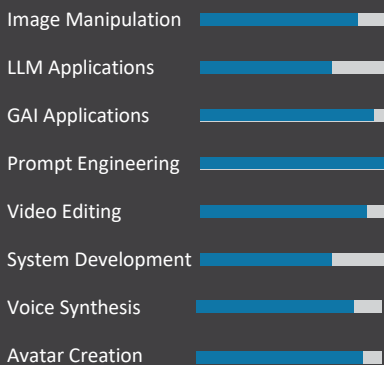
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PRO SKILLS

Image Manipulation

LLM Applications

GAI Applications

Prompt Engineering

Video Editing

System Development

Voice Synthesis

Avatar Creation

LANGAUGE SKILLS

Cantonese

Mandarin

English

RELEVANT EXPERIENCES

SOLUTION ARCHITECT
2024 - Present

CYBER BEAST TECH
R&D of ML/AI Applications
Prompt Engineering Training
Social Media Content Creation
Website/App Solutions Provider

MARKETING EXECUTIVE
2021 - 2022

SWI INDUSTRIES
Maintaining corresponding brand's official webpage and social media page
Responding to Customer Inquiries
Social Media Content Creation
Backend/Website Maintenance

ESHOP & INVENTORY MANAGEMENT
2009 - 2011

JK ARMY LIMITED
E-Shop Management /ERP Maintenance
Order Fulfilment
Content Creation

EDUCATION

BACHELOR GRADUATE DEGREE
2011 - 2015

SOOCHOW UNIVERSITY (ROC)
Political Science

PROFESSIONAL SKILLSETS

Prompt Engineering
Prompt engineering is a specialized discipline within artificial intelligence (AI) that focuses on optimizing the interaction between human inputs and AI models, particularly language models. The primary objective is to design and refine prompts—specific inputs that guide the AI—to achieve accurate, relevant, and contextually appropriate outputs.

Generative AI Applications
AI models designed to create new content, such as text, images, music, or even code, based on patterns learned from existing data. These models leverage advanced machine learning techniques to generate outputs that resemble human-created content.

Examples of GAI applications, include, FLUX, Stable Diffusion, Cursor AI, and Suno.

PROFESSIONAL SKILLSETS

LLM Applications

Large Language Models (LLMs) are advanced AI systems designed to understand and generate human-like text. Their applications are broad, ranging from automating customer support through chatbots and virtual assistants to generating content like reports, blogs, and marketing materials. LLMs also play a key role in real-time language translation, helping businesses communicate across different regions, and in coding assistance, where they can generate and debug code, improving development workflows.

Additionally, LLMs are valuable in sentiment analysis, where they analyze customer feedback or social media data to provide insights on public perception. They can also perform data extraction, processing unstructured documents such as legal contracts or medical reports to identify key information quickly. These capabilities make LLMs essential tools for improving efficiency, reducing manual work, and enhancing decision-making in various industries.

System Development

System development is the structured process of creating, designing, deploying, and maintaining information systems. It typically follows a series of stages, including requirement analysis, system design, coding, testing, and implementation. In the initial stages, developers collaborate with stakeholders to understand business needs and define functional and technical requirements. This is followed by designing system architecture and user interfaces, writing code, and conducting thorough testing to ensure functionality, security, and performance.

Once the system is deployed, ongoing maintenance and updates are essential to adapt to evolving business needs, address security vulnerabilities, and improve system efficiency. System development methodologies, such as Agile, Waterfall, or DevOps, guide the development process, ensuring that projects are delivered on time, within scope, and aligned with organizational goals. Effective system development ultimately enhances operational efficiency, reduces costs, and drives innovation within the organization.

Avatar Creation

AI avatars are digital representations powered by artificial intelligence that interact with users in a human-like manner. These avatars can take various forms, such as virtual customer service agents, digital assistants, or even animated characters in virtual environments. Leveraging advanced technologies like natural language processing (NLP), speech recognition, and facial animation, AI avatars can engage in real-time conversations, respond to user inquiries, and perform tasks such as answering questions, providing recommendations, or assisting with transactions. Their ability to simulate human interactions makes them valuable for enhancing user engagement and delivering seamless, personalized experiences.

In professional settings, AI avatars are increasingly being used across industries to streamline processes, reduce operational costs, and improve customer satisfaction. For example, in customer service, AI avatars can handle routine inquiries efficiently, allowing human agents to focus on more complex tasks. In education, they can serve as virtual tutors, delivering personalized learning experiences. By combining the power of AI with intuitive user interfaces, AI avatars are transforming how businesses and organizations interact with their users, providing scalable, consistent, and intelligent services.