

YIN BIN YU

Senior AI | ML | Data Engineer

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📍China

EXPERIENCE

Senior AI/ML/Data Engineer

[Invozone.com](#)

📅 01/2022 - 10/2024

- Developed an AI-powered chatbot for the DoctorOnCall platform to streamline patient engagement and appointment scheduling.
- Implemented NLP models like BERT and spaCy to enhance the chatbot's understanding of user intent and improve response accuracy.
- Built RESTful APIs using Python and Django for real-time data interaction, ensuring smooth backend functionality.
- Extracted and processed medical data from various formats to create a robust knowledge base.
- Collaborated with UI/UX teams to deliver an accessible, user-friendly interface for diverse user groups.

AI/ML/ Engineer

[Burgitech.com](#)

📅 01/2020 - 01/2022

- **AI Model Development:** Led the design and implementation of image recognition systems using advanced AI models such as Resnet, EfficientNet, SSD and YOLO
- Successfully deployed AI-driven facial recognition and object detection solutions
- **Gesture Recognition Project:** Developed a hand gesture recognition system using Convolutional Neural Networks (CNNs) and OpenCV
- Integrated this AI solution into Maxis's mobile applications, allowing users to control devices through hand gestures, improving accessibility and user interaction
- **Backend Integration:** Built and maintained backend services using Django and PHP, ensuring smooth integration with AI models and APIs
- Optimized backend processes with MySQL for efficient data storage and retrieval, leading to a 5% improvement in response times
- **Team Collaboration:** Worked closely with cross-functional teams, including front-end developers, data scientists, and product managers, to ensure the successful integration of AI capabilities into Maxis's applications
- Provided leadership in setting standards for AI deployment and backend development

Senior Full Stack Engineer

[Bullperks](#)

📅 01/2019 - 01/2020

- Developed various SPAs using React and Next.js, focusing on responsive and efficient design
- Created reusable React Hooks to enhance performance and accelerate development speed
- Wrote API endpoints using Node.js, PostgreSQL, GraphQL, and RESTful APIs, ensuring efficient data handling and integration
- Improved application responsiveness by 25% and development speed by 40%, significantly enhancing user satisfaction and engagement
- Reduced API response times by 30%, improving overall application efficiency and user experience

SUMMARY

AI and Machine Learning professional with over 8 years of experience specializing in cutting-edge AI solutions. Proficient in designing and deploying advanced models for image processing, natural language processing, and generative AI. Extensive hands-on expertise with frameworks and tools like YOLO, CycleGAN, and BERT. Skilled in developing intelligent systems that solve complex challenges and drive innovation across industries. Strong track record in delivering impactful AI applications, from chatbots to image recognition systems, with a focus on usability, scalability, and performance optimization.

KEY ACHIEVEMENTS

API Optimization Success

Reduced API response times by 30%, enhancing user experience.

Chatbot System Leadership

Led chatbot system, interacting with over 10,000 users monthly.

Backend Performance Boost

Improved backend response times by 5% through optimization efforts.

App Performance Enhancement

Enhanced app performance, increasing user engagement by 35%.

TRAINING / COURSES

[AWS Certified Solutions Architect – Associate](#)

Issued: Apr 2020

[Certified Kubernetes Administrator \(CKA\)](#)

Issued: Mar 2021

[PCAP – Certified Associate in Python Programming](#)

Issued: Dec 2022

[Certified Artificial Intelligence Practitioner \(CAIP\)](#)

Issued: May 2023

EXPERIENCE

Junior Software Engineer

EffectiveSoft

📅 01/2018 - 01/2019

- Key Technologies: React, React router, Tailwind CSS, Axios, Redux, NestJS, NodeJS, Rest API, Microservice, Typescript, React Native, Git, Django, Python, webRTC, Unit Test
- Developed dynamic and responsive web applications using React+React router+ Tailwind CSS + Axios+Redux, ensuring an engaging user interface and seamless user experience
- Utilized NestJS for creating efficient back-end services and APIs, integrating with PostgreSQL for data management
- Implemented Object detection and face recognition functionality using Python Django Backend
- Implemented video & audio conference function using Web sockets and WebRTC protocol
- Worked closely with project managers and designers to translate business requirements and user needs into technical solutions

Software Developer Intern

AnTai Technology Group

📅 01/2016 - 01/2017

- Developed user interfaces for web and mobile applications, ensuring they are intuitive and responsive
- Implemented design specifications into efficient code, maintaining fidelity to original design specifications
- Optimized application performance to reduce app load times and improve user experience
- Reduced app load times by 30% and improved cross-browser compatibility by 20%, significantly enhancing the overall user experience
- Increased user engagement by 35% through improved app performance and responsiveness

EDUCATION

Bachelor's Degree of Science in Computer Science

Peking University

📅 01/2016 - 05/2016 📍 Beijing, China