George Zhang *Full Stack Developer*
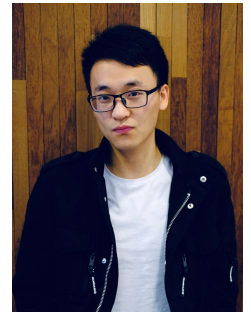
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⦿ Nunchakus888

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📍 (Shanghai, China). Capable of working in any time zone.

🔨 SUMMARY

- I am skilled in web development, Python, and simple **PyTorch models training**, and have **extensive knowledge in software engineering** full stack development skills.

- Skilled in **JavaScript**/TypeScript and Node.js, with proficiency in web development technologies and **cross-platform** solutions like **Electron** and React Native.

  Proficient in using popular frontend frameworks like Astro, **React**, and Angular, and adept in building tools like **Webpack** and Vite.
  Furthermore, skilled in executing **pixel-perfect** web applications using CSS.

- Proficient in **Python-based technologies**, including FastAPI, and Langchain.
  Familiar with **SQL and NoSQL** databases.

- Familiar with the principles of the Ethereum Virtual Machine (**EVM**), Ethereum mainnet and L2 chains.

  Proficient in **Web3 ecosystem** and **smart contract** programming with **Solidity**, including ERC-721 and ERC-20 tokens. Skilled in blockchain interaction utilizing Web3 or **Ethers** libs.

💼 PROFESSIONAL EXPERIENCE

Shinemo, *Full Stack Developer* — 05/2024 – 11/2024, Hangzhou, China

- In charge of developing, designing, training models, serving model services serverless, and containerizing the company's data annotation platform.

- Outputting the model, manual annotating data, deploying inference services, automatically generating annotated data, accuracy verification/correction, and optimizing the model are all performed by manually annotating data.

Sensetime, *Full Stack Developer* — 09/2021 – 05/2024, Shanghai, China

- AIGC product (miaohua/chat-notion/trust-AI) **microservices** technical architecture design, business splitting, **containerized** management (private cloud), DevOps, and other solution implementation.

- Based on stable diffusion model deployment, export API to external use, model IO formatting, and prompt optimization.

- Development of **cross-platform** technical solutions for AIGC products: mini-programs, electron, and web/h5.

- Enterprise-level web business ecological construction, single sign-on service(SSO), business component library, and CI/CD.

- Ultimate performance optimization of web applications, instant launch of cross-platform common devices, website TPS optimization.

Alibaba, *Web Developer* — 10/2017 – 08/2021, Shanghai, China

- BS isomorphic applications, serverless edge rendering, and other web page performance optimization, FCP < 1s.
- Taobao Live, live broadcast room component development, communication specification design (micro front-end base on single-spa).
- Leading the design of the micro-front-end architecture based on shell & iframe, unifying the communication methods, and routing definitions. of each business owner and sub-applications.
- Realize log tracking and reporting on different platforms (advertising billing, strictly recording every click and exposure of stores/products to complete the entire order attribution link).

- Develop advertising log reporting SDK, cross-platform JsBridge, and cross-end universal component library.

📁 PROJECTS

HitoX, *An AI-powered platform for data annotation.*   05/2024 – 11/2024
- Frontend: ReactJs+Canvas
- Backend: Django, Redis (job queue) postgresql、traefik、nuclio
- LLM：PyTorch、YOLO、Whisper、Qwen2、groundingdino、face_landmarker

- Developing Django microservices, including annotation data import and export, task systems, logging systems, and model service systems.

- Manage model services through Nuclio, specifying how to run on CPU/GPU, resource quotas, and so on.

- The training of the YOLO model, the deployment of Visual detection, Classification, Facial Recognition, and Video object detection model services.

- Creation and development of web annotation tools, restoring inference service results output to a 1:1 ratio.

miaohua, *A project uses stable diffusion model capabilities to generate corresponding pictures based on prompt*   08/2022 – 05/2024
- Frontend: NextJs, tailwindcss
- Backend: FastApi + PyTorch + stable diffusion model
- Model parameter formatting, and prompt optimization.
- Secondary processing of model output images, watermarking, QR code overlay, OSS storage, and model file upload.
- Server-side engineering side microservice hierarchical design, identity authentication service, model IO service, model file storage service, task push service.
- Microservice RPC communication plan formulation, load balancing, service throughput, QPS optimization.
- The web service uses HTTP2 protocol + SSR rendering, **FCP < 0.9s.**
- Responsive design optimized for device screen widths ranging from 320px to 1600px.

🎨 SKILLS

Python ●●●●○	**ReactJs** ●●●●●
PyTorch / Flask / FastApi / Django	*NextJs / GraphQL / Astro*
NodeJs / Ts ●●●●●	**CSS / HTML / Figma** ●●●●●
NestJs / Express / Electron	*MaterialUI/Chakra-ui/Flowbite/Tailwindcss*
Cloud / Tools ●●●●○	**SQL / NoSQL** ●●●●○
K8S / Docker	*MySql / PostgreSQL / Redis / MongoDB*
***pack** ●●●●●	**Web3** ●●●●○
Webpack / turbopack / vite	*EVM / WGMI / ethers / Solidity / Hardhat*

🌐 LANGUAGES

English ●●●○○	Chinese ●●●●●

🎓 EDUCATION

Diploma in Aircraft Maintenance Engineering 2015, *Xi'an Aviation Vocational and Technical College*

🏃 INTERESTS

`Skiing` `Bedminton` `Nunchakus` `Basketball`