

David 大卫

Software Engineer | AI & Machine Learning | Cybersecurity
软件工程师 | 人工智能与机器学习 | 网络安全

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Career Objective | 职业目标

A motivated Computer Science graduate with a Master's in Software Engineering and strong academic standing. Passionate about software development, innovation, and technology, with experience spanning AI/ML, cybersecurity, full-stack development, and the renewable energy sector. Committed to continuous self-improvement and applying technical skills in real-world environments. Seeking opportunities in programming, AI, cybersecurity, data analysis, project management, and smart energy.

具备计算机科学本科及软件工程硕士学位，学业成绩优异。热衷于软件开发、技术创新，同时深耕能源领域，对新能源、电动汽车充电及智慧能源系统抱有浓厚兴趣。注重持续自我提升，善于将技术能力应用于实际场景。寻求编程、人工智能、网络安全、数据分析、项目管理及智慧能源相关岗位机会。

Education | 教育背景

MSc in Software Engineering 软件工程硕士	2023 – Present
University of Science and Technology of China (USTC) 中国科学技术大学	
BSc in Computer Science 计算机科学学士 (GPA: 4.7/5.0)	2019 – 2023
Changzhou University 常州大学	
Global Summer School: Innovation for SDG 全球暑期学校：可持续发展目标创新	2021
Tsinghua University 清华大学	
Innovation & Entrepreneurship in the Digital Economy 数字经济中的创新与创业	2021
Tsinghua University 清华大学	
Chinese Language Studies 汉语学习	2019
Qingdao University 青岛大学	
Computer Hardware & Software Maintenance 计算机软硬件维护	2018
EBS Computer Training EBS 计算机培训中心	

Skills | 技能

Programming 编程	Python, Java, JavaScript, C/C++, SQL, HTML/CSS
AI / ML 人工智能	Deep Learning, SVM, Transformer (GPT, BERT), Generative AI, RAG, LangChain, LangGraph, Agents, ChromaDB, LangSmith, RAGAS
Cybersecurity 网络安全	CSRF, XSS, SQL Injection, IDOR, SSL/TLS, PKI, Web Penetration Testing, Prompt Injection, Scapy
Software Dev 软件开发	Full-Stack (React, Node.js), RESTful APIs, Streamlit, FastAPI, Docker, Git, Linux
Energy 能源	EV Charging (AC/DC), ESS, Microgrids, PV, Edge Computing, Cloud Platforms
Management 管理	Project Management, Digital Marketing 项目管理、数字营销
Soft Skills 软技能	Critical Thinking, Communication, Team Leadership 批判性思维、沟通能力、团队领导力
Languages 语言	English (Fluent 流利), Chinese (HSK4 中级), French (B1)

Work Experience | 工作经验

Solution Engineer — New Energy & EV Charging

2025 – Present

解决方案工程师 — 新能源与电动汽车充电

- Specialized in international pre-sales technical support for new energy and EV charging solutions
专注新能源及电动汽车充电解决方案的国际售前技术支持
- Responsible for overseas business trips, product introduction, on-site inspections, and customized solutions
负责海外商务出差、产品推介、现场勘查及定制解决方案
- Scope: on-grid/off-grid, AC/DC chargers, ESS, microgrids, PV, wind, VPP, edge computing, cloud platforms
涵盖并网/离网系统、交直流充电桩、储能、微电网、光伏、风电、虚拟电厂、边缘计算及云平台

Freelance Full-Stack Developer, Networking, Tutor

2017 – Present

自由职业者：全栈开发、网络、教师

- Developed and launched websites including ethiopianweb.net
开发并上线多个网站，包括 ethiopianweb.net
- Offered IT tutoring and consultation for clients and students
为客户和学生提供 IT 教学与咨询服务

Teaching Assistant, International Student Office — Changzhou University

2020 – 2023

助教，国际学生办公室 — 常州大学

- Facilitated translation and communication between foreign and Chinese teaching staff; participated in international student recruitment and event planning
协助外籍与中国教师之间的翻译与沟通；参与国际学生招生工作及活动策划与组织

Social Media Advertising

2014 – Present

社交媒体广告推广

- Promoted content via Facebook, Instagram, X, WeChat, Telegram, TikTok, and more
通过 Facebook、Instagram、X、微信、Telegram、抖音等平台推广内容

Projects | 项目经历

- **RAG Assistant** 文档问答 **RAG** 助手 — Conversational RAG pipeline (DeepSeek, LangChain LCEL, ChromaDB, Streamlit) with source citations, chat memory, RAGAS evaluation harness, and LangSmith tracing
基于 DeepSeek、LangChain、ChromaDB 构建的文档对话系统，含 RAGAS 评测与 LangSmith 追踪 [GitHub](#)
- **SQL Data Analyst Assistant** 自然语言转 **SQL** 数据分析工具 — Natural language to SQL query engine with auto chart selection and AI-generated insights; blocks mutating queries for safety (DeepSeek, LangChain, Plotly, Streamlit)
自然语言转 SQL 引擎，自动选择图表类型并生成分析洞察，内置安全查询过滤 [GitHub](#)
- **Todo & Email Automation Agent** 智能待办与邮件自动化代理 — LangGraph-powered agentic assistant that reads, drafts, and sends emails via Gmail API while managing a to-do list across multi-step reasoning loops
基于 LangGraph 的代理，通过 Gmail API 读取、起草和发送邮件并管理待办事项 [GitHub](#)
- **Prompt Injection Scanner** 提示词注入漏洞扫描工具 — CLI tool testing LLM system prompts against 22 categorized injection payloads using keyword and LLM-judge modes; detects jailbreaks, role-play bypasses, and data-extraction attacks
测试 LLM 系统提示对 22 类注入攻击的抵御能力，支持关键词与 LLM 裁判双模式评估 [GitHub](#)
- **Vulnerable Web Application Web** 安全漏洞教学平台 — Intentionally vulnerable Flask + SQLite app with 6 documented vulnerabilities (SQLi, Stored XSS, Reflected XSS, IDOR) and a professional security assessment report with PoC exploits and secure fixes
含 6 个漏洞的 Flask 教学应用，附安全评估报告、PoC 利用和修复方案 [GitHub](#)
- **Network Traffic Analyzer** 网络流量安全分析工具 — Python/Scapy CLI detecting port scans (sliding-window) and cleartext credential leaks (FTP, Telnet, HTTP Basic Auth, POST bodies) from

live interfaces or PCAP files with colour-coded alerts and JSON export

基于 Scapy 的 CLI 工具，检测端口扫描与明文凭据泄露，支持实时抓包与 PCAP 分析

[GitHub](#)

- **EV Charging & Energy Storage Solutions** 充电与储能方案设计 — Designed solutions for EV charging stations, residential battery storage, and energy storage for hotels and hospitals
为电动汽车充电站、住宅小区储能系统设计方案，并为酒店、医院提供储能解决方案
- **SVM-Based Driver Drowsiness Detection** 基于 SVM 的驾驶员疲劳检测 — Built an ML pipeline for classifying drowsy vs. alert states from EEG brain waves
基于脑电波构建机器学习流水线，实现驾驶员疲劳状态分类
- **Deep Learning Projects** 深度学习项目 — NanoGPT training & analysis, Transformer architecture study (GPT, BERT, ELMo)
NanoGPT 训练与分析，Transformer 架构研究 (GPT、BERT、ELMo)
- **Web Security Testing** Web 安全测试 — CSRF, XSS, SQL Injection, SSL/TLS penetration testing labs
CSRF、XSS、SQL 注入、SSL/TLS 渗透测试实验
- **Study Abroad Management Website** 出国留学管理网站 — Full-stack web application
全栈 Web 应用开发
- **Maze Robot (Award-Winning)** 迷宫机器人 (获奖) — Autonomous maze-solving robot with sensor integration
集成传感器的自主迷宫求解机器人
- **Blockchain Implementation** 区块链实现 — Distributed systems and cryptographic security
分布式系统与密码学安全
- **Responsive Web Design Projects** 响应式网页设计项目 — Modern responsive websites
现代响应式网页设计

Certifications | 认证证书

- **Blockchain & Digital Economy Entrepreneurship (Med AI)** — Tsinghua University, 2021
区块链与数字经济创业 (医学人工智能) — 清华大学, 2021 年
- **Certified in Java, Python, React, SQL, HTML, JavaScript, CSS, Generative AI**
获得 Java、Python、React、SQL、HTML、JavaScript、CSS、生成式 AI 等认证
- **Project Management Certification (2019–Present)**
项目管理认证 (2019–至今)
- **HSK 4 Chinese Proficiency** 汉语水平考试 HSK 4 | **French B1** 法语 B1

Honors & Awards | 荣誉奖项

- **China Scholarship Council (CSC) Award** 国家留学基金委 (CSC) 奖学金
- **3rd Prize — World Vocational College Skills Competition (Maze Robot)**
世界职业院校技能大赛三等奖 (迷宫机器人)
- **Outstanding Student Leader** — Changzhou University 常州大学杰出学生干部
- **Innovation Recognition** — Tsinghua University 清华大学创新表彰
- **Featured on CGTN, CCTV1, China Daily**
曾在 CGTN、CCTV1、《中国日报》上报道
- **Recipient of 25+ academic honors and certifications**
获得 25+ 项学术荣誉和认证

Preferences | 意向

Target Roles 目标岗位 Software Development Engineer, AI/ML Engineer, Cybersecurity Engineer, Solution Engineer, New Energy, Data Analyst, Project Management
软件开发工程师、AI/ML 工程师、网络安全工程师、解决方案工程师、新能源、数据分析师、项目管理

Locations 工作地点 Shanghai 上海 / Suzhou 苏州 / Changzhou 常州 / Qingdao 青岛 / Shenzhen 深圳
(Open to other cities in China 可考虑中国其他城市)