Anna Sun   (US Citizen)   Mobile: 1-669-241-8101
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TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, Java, TCL, PowerShell, Bash
Web tech	React, Next.js, Angular, Express.js, Node.js, jQuery, Bootstrap, REST API
AI, ML, Data	TensorFlow, NumPy, scikit-learn, Pandas, Matplotlib, Beautiful Soup
Databases & Cloud	Chroma, Firebase, Supabase, MongoDB, PostgreSQL, MySQL, T-SQL, GCP, Google AI Studio
Dev tools	Git, Jira, Confluence, Rally, Subversion

WORK EXPERIENCES

Reality AI Lab   Remote
Gen AI Engineer   Dec 2024 – Present
- Developing Generative AI solutions for Marvel AI (AI Teaching Assistant), using LangChain, and Retrieval-Augmented Generation (RAG), OpenAI, OpenRouter, FastAPI, Next.js, Docker workflows on GCP.
- Building AI agents with MCP to enhance their functionality and performance.
- Utilized Promptfoo LangSmith Storybook and Postman to conduct front-end testing benchmark LLM performance and evaluate prompt consistency hallucination rates and output quality.
- Collaborating with international, cross-functional teams to enhance AI-powered education accessibility, relevance across multiple GenAI platforms (OpenAI, Gemini, Anthropic)

OpenGenus Foundation (Open Source)   Remote, Tokyo, Japan
Technical Consultant   Jun 2023 – Present
- Working on front-end and back-end projects integrating Reactjs, TypeScript, JavaScript, Next.js, Angular, Express.js, Node.js.
- Working with SQL database such as MySQL, and NoSQL database such as MondoDB.
- Publishing software and technology related articles and tutorials such as Data Pipeline, Data Lake, Data Mark, and Front-end.

Self-employed   San Francisco Bay Area, CA
Caregiver & Professional Development   Jan 2022 – May 2023
- Machine Learning Specialization from Stanford University Online
- Full Stack Development Bootcamp from Udemy
- Taking care of a sick family member

L3Harris Technologies   (Defense, Intelligence, Security, Telecom, IT)   Salt Lake City, UT
Software Engineer   Dec 2020 – Sep 2021
- Developed & updated a war zone coordination system using Java, C++, GoogleTest, Angular, and TypeScript, integrating full-stack development and telecommunications systems to synchronize units across land, air, and sea.
- Developed internal tools using Python to control embedded systems, simulators, and analyzer equipments.
- Coordinated with business analysts & engineering departments to solve issues using SQL data warehouse and SAP BOBJ (business intelligence software).

Mirixa Corporation (Insurance, Healthcare)   San Francisco Bay Area, CA
Quality Assurance Engineer   July 2016 – Nov 2020
- Designed & developed test automation systems and internal tools using MySQL, Python, Bash script & PowerShell under Windows & SQL server.
- Utilized jQuery & Bootstrap to debug and fix full-stack issues.
- Designed end-to-end test cases from business requirements, executed testing using Selenium.

Inseego Corp. (Previously Novatel Wireless Inc.) (Telecommunication, IoT)   Dallas, TX
Software Engineer   May 2012 – Feb 2014

- Developed a large-scaled Test Automation Framework under Linux in C, Python, Bash. It auto-ran batch test scripts to test our in-house modems and embedded systems sold to AT&T, Verizon, Progressive & Garmin, etc
- Built internal tools, servers & clients. They allowed engineers to remotely control embedded systems like modem, GPS, IoT & SoC chips and lab instruments, and run driving simulations.
- Developed drivers & tools in Assembly & C that worked with embedded system & chips using GPIO, UART, JTAG & Lauterbach under Linux & Windows.

CERTIFICATIONS

Machine Learning Specialization   Stanford University Online
- NumPy, scikit-learn, TensorFlow, Matplotlib, Pandas

The Modern React Bootcamp   Udemy
- React, Hooks, Context, NextJS, Router, MUI, JSS

The Web Development BootCamp   Udemy
- jQuery, Node.js, Express.js, MongoDB, CSS, Bootstrap

EDUCATION

| **Computer Engineering** | M.S. | University of Texas at Dallas, TX |
| **Computer Science** | B.S. | University of Pittsburgh, PA |