Andy (Xiangyu) Cui

GitHub | LinkedIn | Portfolio

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EDUCATION	Relevant Coursework	Location & Date
Northeastern University	🗁	Boston, MA, USA
M.S. in Artificial Intelligence of Khoury College		Sept. 2021-Dec.2023
University of Nebraska-Lincoln	🗁	Lincoln, NE, USA
B.S. in Computer Science of Arts Science College		Sept. 2016-May. 2020
Dalian Neusoft University of Information	🗁	Dalian, LN, CHN
B.S. in Electronic Information Engineering		Sept. 2013-Sept. 2015

SKILLS

- Programing languages: Java, Python, JavaScript, HTML, CSS, C/C++, Assembly, VB
- Database: MySQL, PostgreSQL, MongoDB, Redis, SQLite, Hive
- Machine Learning: TF-IDF, Naïve Bayes, GPT-2, Bert, CNN, Transformer
- Framework/Libraries: Spring Boot, React.js, Node.js, jQuery
- Version Control & CI/CD: GitHub, TFS, Azure DevOps, Jenkins, Jira
- Others: AWS, Docker, Maven, Tomcat, Axure, Servlet, Junit, Nginx, LaTeX, CAD design, Tableau

WORK EXPERENCE

111Sign Inc | Part-Time   Littleton, MA, USA
IT Support   Dec. 2023-Feb. 2024

- Led the deployment of a modular CMS, specifically WordPress, for a 20-page MVP website, optimizing for cost and efficiency on a Business WordPress server.
- Advocated for NUC Twin Ethernet to enhance workstation connectivity and spearheaded the development of a compact NAS system using Raspberry Pi and OpenMediaVault, slashing infrastructure costs by 80%.
- Championed the use of Slack for streamlined task management and communication, significantly improving team productivity and project coordination.
- Maintain the company website and resolve daily technical support issues.

AlpaLifeBio Inc | Internship   Woburn, MA, USA
Software Engineer & Data Analyst   Dec. 2022-June. 2023

- Executed data collection from biomedical public databases using **Python** and **graphical web scraping tools**, enhancing the dataset for advanced analysis. Additionally, processed and analyzed over 500,000 data entries daily, utilizing graphical data representations to streamline reporting and significantly boost workflow efficiency.
- Applied **TF-IDF** techniques for data comparison and matching, effectively identifying potential clients with a match rate of up to 95%, significantly contributing to targeted marketing strategies.
- Consolidated existing datasets for integrated analysis and established a structured **SQL** database, implementing tag processing for improved search and retrieval operations. This approach has saved 80% of the time for future data searches and significantly enhanced work efficiency, thereby saving costs for the company.

Dutchgo LLC | Self-employed/CEO   Omaha, NE, USA
Team Leader & Development Designer   Oct. 2020-Apr. 2022

- Spearheaded the team in analyzing market conditions, conducted investigative analytics on Netflix user data to develop similar products, enhancing competitive market positioning.
- Employed web scraping technologies to aggregate and statistically analyze over 80 million data points across the web, employing graphical data flow techniques for targeted user demographic analysis.
- Led product development initiatives that generated $3 million in revenue, employing daily data analysis to inform strategies and rapidly deploy solutions, significantly contributing to the company's operational efficiency.
- Implemented process controls to ensure precision in the deployment of all development stages and work segments, resulting in a marked efficiency improvement in a small company setting.

Chasing Light(Zhuiguang) Information Technology Co. Ltd | Co-founder   ZhengZhou, Henan, CHN
Project Manager & Project Analyst   Jan. 2019-Sept. 2020

- Customize software (Website & mobile APP) based on client needs, converting these needs into project requirements for programmers. Draft UML and activity diagrams, ensuring product behavior logic aligns with client confirmation.
- Plan and define project timelines, budgets, and assess potential risks. Lead a team of 10 in producing over 30 small to medium projects.
- Collaborate with the Nebraska Asian Association to develop the USHappyDinner WeChat mini app, a niche Asian food sharing platform for Nebraska city. Achieve widespread acclaim and over 500 takeaway orders on launch day, boosting local food production efficiency by 40%.