

Yuxiang(Simon) Zhou

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Toronto, Ontario, Canada

SUMMARY

A versatile IT professional with expertise in business operations, network security, data analysis, e-commerce, and social media management. Strong background in corporate forums, community management, and online marketing. Highly skilled in Adobe/Microsoft Suite, PowerBI, ERP, Python, etc. Proficient in electrical systems. Over 5 years of experience in individual projects. Known for innovative problem-solving, effective teamwork.

CERTIFICATIONS

Project Management Professional (**PMP**), **AWS** Certified SysOps Administrator – Associate, Cisco Certified Network Professional Enterprise (**CCNP**), Google IT Support Professional, **CompTIA Security+**, Advanced Electrician Certificate, Master Microsoft Power BI, Professional Scrum Master II (**PSM II**), Agile, **ITIL V4**

SKILLS

Skills: Front-end/Web Development, Data Mining, Java, C++, VB, Python, NodeJS, JavaScript, Active Directory, Git, .NET, Vue, PHP, MongoDB, SQL, Oracle, MATLAB, VMware, Windows Server, Linux, Unity/UE, Bootstrap, **WordPress**, **Shopify**, Discuz. Familiar with AWS/Azure/GCP, IBM Cloud/Watson, Amazon Logistics..

Language: English(Fluent), Mandarin(Native), Japanese(Conversational), German (Basic)

PROFESSIONAL EXPERIENCE

Fibra, Machine Learning, *Intership*

Nov 2022 – Dec 2022

Conducted research on linguistic emotion recognition, achieving a 70% test accuracy after 50 epochs using Python (PyTorch) for model training and development.

- Designed and implemented a five-layer CNN-based deep learning model with 200 million trainable parameters, leveraging CNN's powerful feature extraction capabilities.
- Integrated CNNLSTM techniques, fine-tuning layer sizes and hyperparameters for optimal performance.
- Utilized IBM Watson's AutoAI module to streamline advanced machine learning applications.

Interactive AI Chatbot & Data Collection System

2017 - 2022

Lead Developer & System Architect

- Developed a Node.js-based web crawler designed for a live streaming platform, capable of collecting and analyzing live chat messages, gift transactions, and video replays to support data-driven decisions.
- Designed and implemented a comprehensive credit system that rewarded users based on gift contributions, enhancing user engagement and platform interaction.
- Integrated OCR models using deep learning techniques to filter and analyze approximately 50 million words and 1 million images, achieving a high recognition rate of 90% through efficient API calls.

BBW Bildungswerk der Wirtschaft, Mechatronics Technician, Co-op Sep 2015 – Apr 2017

- Instructed by German qualified technicians through German modernization theory. Worked on a team project through PLC software (GX developer) and initially realized the operation of the elevator.
- Developed machined parts by using AutoCAD and Solidworks, an advanced lathe, a milling machine and CNC equipment which resulted in creating 57 of custom parts. Conducting on-site troubleshooting of damaged low-voltage appliances for the company's customers.

EDUCATION

York University (Toronto)

2018 - 2022

Bachelor's degree with honors, Information Technology

Relative Courses: Applied AI, ERP Systems, Data Warehousing & BI, Applied Data Communications and Networks, DBs, Internet Client-Server, Web Technologies, Object-Oriented Programming, Systems Architecture

Bibliometric Research Project (*Collaborative projects with Prof. Marina G Erechtkhoukova*)

- Mined 4896 bibliographies from 2012 to 2022, related to Metaverse and Blockchain.
- The data are compared through "Documentary Knowledge Units", constructed and visualized using software such as Vosviewer & Citespace. Published a research paper and got a excellent evaluation.
- Through keyword co-occurrence analysis, Vosviewer is used to draw a keyword co-occurrence network view of 108 documents. After merging repeated keywords, 558 keywords are counted, and 28 keywords with a frequency greater than or equal to 3 is selected for visualization.

Nanjing University (China)

Bachelor's degree with honors, Human Resources Management/Personnel Administration

Jiangsu Union Technical Institute College (China)

Bachelor's degree / Associate Degree, Mechatronics Engineering with Advanced Electrician Certificate