Yitong Chen (Nemo)

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Work Portfolio:
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Summary

As a Computing Professional, I've completed various competitive projects in different specialisations, including Machine Learning, Intelligent Systems, Data Science, and Embedded Systems.

As an Analyst, I've hosted over 20 meetings and interviews with different stakeholders and produced more than 10 personas, 4 user analysis documents, and other complex documents.

As a Store Manager and active team leader, I boosted sales significantly and built a comfortable and inclusive environment for team members to communicate, collaborate, compete, and improve themselves.

As a tutor, I inspired students to show their talent and potential and guided them in systems thinking, teamwork and collaboration, responsible innovations, and professionalism in industrial contexts.

Career Objective

I seize opportunities for industry practice under various contexts and apply my skills and knowledge in Computer Science, Business Analysis, Management and Operations, and Security Vetting.

I dedicate my devotion to the institution's mission and goals, learning from existing procedures and suggesting feasible and remarkable improvements to enhance the potential, effectiveness, and efficiency of my role and my teams.

Employment History

Service Officer (APS3)   May.2025 ~ Present
Services Australia, Canberra
- Exceeded the training requirement significantly and achieved a collaboration award site-wise.
- Achieved an outstanding performance rate and participated in several Agency-Level analysis activities.
- Analysed and streamlined business procedures, assisted the team with performance and wellbeing.

Vetting Analyst   Jul.2024 ~ May.2025
Mitchell Personnel Solutions Pty Ltd, Canberra
- Participated actively and outstandingly in rapport-based interview training.
- Conducted interviews with different interviewing techniques with great outcomes.
- Analysed complex documents and drew significant information according to purposes.

Academic Tutor   Jul.2023 ~ Dec. 2023
Australian National Centre for the Public Awareness of Science, ANU, Canberra
- Developed and delivered engaging critical thinking and problem-solving content.
- Provided mentorship and a supportive environment to enhance performance and interest in the subject.
- Built connections among students and tutors for better academic and professional support.

Store Manager   Nov. 2021 ~ Mar. 2023
Sushi Sushi Woden Store, Westfield Woden, Canberra
- Achieved sales increase of up to 102% and maintained at 45%, with high and consistent quality.
- Assisted IT support team by locating problems, suggesting and implementing better practical solutions.
- Improved SOPs of 6 products, resulting in higher rates of purchasing, ranging from 20% to 150%.
- Created a more comfortable and mutually trusting workplace by team-building strategies.

Admin Support Officer   Feb. 2021 ~ Jul. 2021
Medvatic, Jamison Centre, Canberra
- built the management structure to clarify management responsibilities and work scopes.
- Conducted and iterated 2 requirement analysis tasks and competitor analysis.
- Coordinated customer experience management for 3 months, leading to customer satisfaction.

Education

Certificate IV in Government Security (Personnel Vetting)   Jun. 2024
Australian Security Academy, Canberra
Master of Computing (Major in Data Science, CSP Granted, GPA 6.4/7.0)   Dec. 2023
Australian National University, Canberra

Business Analysis, Product Management Course, and Operation (Online)   Apr. 2023
Zhiqun Time Technology Co., LTD, Beijing, China

Certificate IV in Business (Professional Year Program)   Aug. 2021
Navitas Professional, Bruce, Australian Capital Territory Australia

Bachelor of Advanced Computing (Major in Intelligent Systems, GPA:6.1/7.0)   Dec. 2018
Australian National University, Canberra

Bachelor of Software Engineering   Jun. 2018
Northwestern Polytechnical University, Xi'an, Shaanxi, China

Internship and Bootcamp

Machine Learning Internship   Nov. 2023
Copy-Paste-Augmentation Project, Trellis Data (ML Research Lab)
- Explored the pros and cons of the Copy-Paste-Augmentation methodology.
- Implemented the machine learning pipeline for identification and segmentation tasks.
- Trained and evaluated Mask R-CNN models on COCO datasets.

Project Manager Internship   Aug. 2023
Predictive Modelling for Community Renewable Energy Project (CREP), ANU
- Planned and organised the project schedule well for better delivery quality.
- Analysed the CREP dataset and built predictive models.
- Identified the limitations and validation of the provided dataset for the project.

Accenture Tech Bootcamp   Jul. 2023
1st place Team Award, Talent and Project Fostering Platform
- Designed and deployed an innovation platform on AWS with Amplify and Serverless technology.
- Achieved fast-paced teamwork in an industrial environment with professional support from Accenture.
- Explored one of the industrial leading companies' cultures and working styles.

Projects

Network Topology Analysis Project   Apr. 2025
Analysed network topology structures and improved network quality for several sights and summarised into reports.

Copy-Paste-Augmentation Project   Nov. 2023
Implemented Copy-Paste-Augmentation for the COCO dataset and used the Mask R-CNN model to evaluate the outcomes.

Nature Language Processing (NLP) and Large Language Models (LLMs) Utilisation   Oct. 2023
Practised using state-of-art LLMs for different NLP tasks under various embedding methodologies.

Data Wrangling and Linkage Project   Sep. 2023
Used different data wrangling and linkage techniques to deduplicate and merge related datasets while considering privacy issues.

Predictive Modelling for Community Renewable Energy Project (CREP)   Aug. 2023
Acted as the project manager and data analyst to lead the team and produce the predictive models for CREP data.

Audio Signal Real-time Processing on STM32   May. 2023
Built a high-quality real-time system on audio signal processing with different transmission methods.

Implementation and analysis of K-means Clustering and Spectral Clustering   May. 2023
Implemented improved versions of clustering algorithms, compared and analysed the result with standard library functions.

Introduction of Education-Specialised AI-Tools (Focusing on ChatGPT)   May. 2023
Proposed the implementation guidance and an introduction plan of specialised AI tools for education with pitch and report.

Data Mining on a Social Survey: Life in AustraliaTM Wave 26   May. 2023
Pre-processed the given dataset and utilised 6 different data mining algorithms with evaluation and future improvements.

Smart-Home Controller Implementation on FPGA (Using Vivado Platform)   Apr. 2023
Finished the whole implementation of a smart-home controller on FPGA with high-quality button functions and displays.

Business Analysis for Embedded Online Collaborative Kanban Module   May. 2023
Conducted a full business analysis and prototype design of this novel idea and achieved better team management and leadership.

Ethics and Social Impact Analysis on Med-PaLM (Google's medical chatbot)   Mar. 2023
Analysed pros and cons of Med-PaLM, data re-identification techniques with the consideration of official guidance documents.

Implementation of an Open-Source Library for Energy Management Systems   Nov. 2018
produced dependency specifications, requirement analysis, and the hierarchical structure of an Energy Management library.

Object Recognition and Trajectory Prediction in Video Streams   Jun. 2017
Utilized Computer Vision techniques to recognize different objects in the video stream and predict their moving trajectories.

Technical Skills

- **Business Analysis (Product Management)**

Applied and educated members in projects.

- **AI/ML Implementation and Utilisation**

Utilised in several projects with great outcomes.

- **Programming (C++, Java, Python, Verilog)**

Adapted to new programming languages quickly.

- **Rapport-based Interview**

Maximised information from interviewees.

- **Data Mining and Analysis**

Utilised in several projects with confidence.

- **Operating System**

Implemented certain functions in Ubuntu kernel.

- **Project Management**

Conducted several projects in different methods.

- **Embedded System**

Actively learned and practised embedded coding.

Soft Skills

- **Time Management**

I've scheduled and practised feasible and effective plans as an individual and team manager.

- **Problem-solving**

I enjoy solving problems by different methods and choosing the best, or sometimes good enough ones for different situations.

- **Critical Thinking**

I always try to think from more perspectives and keep doubt inside for everything.

- **Creative Thinking**

I usually propose feasible and innovative ideas from different perspectives and domains.

- **System Thinking**

I've learnt to think about things as a system and how components can better collaborate.

- **Conflict Resolution**

I can choose the most suitable conflict resolution method according to different situations.

- **Adaptability**

I work with people from different backgrounds and of different characters quite well and enjoy it.

- **Team Management**

I have led teams of different forms and purposes and managed those teams quite well.

- **Pitching**

I have appreciated and practised pitching in front of different types of audiences and can change my style of pitching according to my audience.

- **Presentation**

I like sharing what I know with others, and I can get them engaged quite well.

Language

- **Mandarin**

Advanced in speaking and writing.

- **English**

Upper-Intermediate in speaking and writing.

Referee

Provide upon request.