

Oscar Nguyen

Sydney, NSW, Australia

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A data-driven professional with 2 years of experience in ERP consulting, machine learning and full-stack development. I am enthusiastic about leveraging these skills to address business challenges and enhance operational processes with cutting-edge technology. My aspiration is to join a forward-thinking organisation where I can continue to expand my skills and make a meaningful contribution.

PROFESSIONAL EXPERIENCE

Genius IT Solutions, Sydney, NSW

Mar 2024 – Jun 2024

Full-Stack Software Engineer

- Contributed to the development of a customer relationship management (CRM) Web Application project.
- Developed 3 pivotal features - document management, landing page and tax settings – along with unit testing functions for a full-stack application built with NextJS, TypeScript, ensuring robust functionality and adherence to best practices.
- Successfully captured and prioritized 10 functional and non-functional requirements, leading to a 20% increase in project delivery speed.
- Designed system process flow with UML flowcharts to visualize complex processes, enabling cross-team alignment.

Nology, Sydney, NSW

May 2023 – Oct 2023

Full-Stack Software Engineer

- Completed an intensive 12-week training program on full-stack website development.
- Deployed 6 projects using React with Javascript and Typescript, Java and MySQL.
- Coordinated with 2 senior software engineers on backend development for a client project, which involved a student metrics application using NestJS and Typescript.
- Enhanced CI/CD pipeline by migrating to Playwright end-to-end testing framework.
- Enriched data viewing requests by implementing 2 new HTTP requests using the MySQL virtual entities method.

Truth, Sydney, NSW

Feb 2021 – Jun 2021

Data Scientist

- Migrated from Firebase Kit to Mediapipe library to extend Truth facekey biometrics from 128 to 468 3D face coordinates, enhancing the scope of potential facial verification tests.
- Compiled 4 comprehensive documents outlining current implementations and potential future developments on internal Confluence platform.
- Contributed to a team of 5 in a Scrum Agile environment to create a new app UX demo.
- Worked closely with a senior data scientist to increase the accuracy of Truth MVP1 liveness fusion model from 65% to 75%, improving overall system reliability.

TRG International, Ho Chi Minh City, Vietnam

Feb 2016 – Jan 2017

ERP Application Consultant

- Worked in a team of 5 to deploy an ERP project for a 2000-store shoe manufacturing corporation in Vietnam, including the installation of ERP and database environments on the client's server.
- Engaged directly with client's CFO to collect and analyse requirements, proposed ERP processes for the Finance module, and developed functional processes in accordance with Vietnamese Accounting Standards.
- Conducted user acceptance testing (UAT) phase, which included 7 end-user training sessions and a detailed 15-page user guideline.
- Developed client-tailored solutions, improving operational efficiency by 25% using Excel Macro to overcome system limitations.
- Conducted 2 product pitching using Microsoft PowerBI.

RELEVANT PROJECTS

Employee Creator Web App

Dec 2023

- Developed a full-stack web application enabling users to view, create, edit, and delete employee information.
- Integrated data entry validation for both front-end form and back-end server.
- Tech stack used: TypeScript, React, Java, Spring Boot, React Hook Form, and Render platform.
- Please refer to the code and preview of my application here: <https://github.com/uwerrrr/employee-creator>.

Natural Language Processing (NLP) Sentiment Machine Learning (ML) Models Analysis

Jul 2021

- Implemented 4 Conventional and 6 Deep Neural Network (DNN) models in this NLP-driven project to predict emotions in a dataset of 12,622 tweets, using Python.
- Conducted a detail comparative analysis between models and achieved 64% accuracy on the Kaggle test set.
- Tech stack used: Python, NLP, ML models, ipynb, and Google Colab.
- Please refer to the code and preview of my analysis here: https://github.com/uwerrrr/text_major_project.

MySQL Analytics

Nov 2023

- Performed data cleaning on a raw open-source E-Commerce dataset of 25,900 invoices from Kaggle.
- Designed a relational database with 3rd normal form normalization into 5 logical tables.
- Generated and visualised 3 insightful views using Python in a Jupyter Notebook.
- Tech stack used: SQL, MySQL, Python.
- Please refer to the diagram and queries that I have prepared here: <https://github.com/uwerrrr/mysql-analytics>.

EDUCATION

Master of Data Science

Jul 2019 – Jul 2021

Macquarie University, North Ryde, NSW

- Weighted Average Mark: 82 (Distinction).
- Awarded Letter of Commendation for High Distinction in Machine Learning, Mining Unstructured Data, Applications of Data Science and Enterprise Application Integration courses.
- Awarded 1st place in the AI-Enabled Banking Hackathon 2020 organized by the Department of Computing.
- Macquarie University ASEAN Scholarship.

Bachelor of Business Information System

Oct 2013 – Oct 2018

RMIT University, Ho Chi Minh City, Vietnam

- High Distinction grades in Developing Mobility Solutions and Information Systems Development.
- Vice President of RMIT Business Information System Club - led the sponsorship team in an academic competition that attracted 50 participants from 5 major universities.

PROFESSIONAL SKILLS

Technical tools and languages:

- NextJS, React & Node.js, TypeScript, Java & Spring Boot, NestJS, Python, TailWind, Drizzle, Turso, HTML, SCSS, TDD, Microsoft PowerBI, SQL, MySQL, Jira & Confluence, GitHub and Google Cloud services (Firebase, Firestore).

Proficiency:

- Full-Stack Website Development, Data Analytics, ML Models, CI/CD, Agile Framework, Database Design, and Documentation.

Interpersonal Skills:

- Adaptability, Teamwork, Problem-solving, Analytical Thinking, Communication and Time Management.

REFERENCE

Full working rights in Australia.

References available upon request.