Lynn Ngo

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# EDUCATION

**The University of Adelaide** Adelaide, South Australia / Australia

Bachelor, Finance February 2020 - July 2024

**The University of Adelaide** Adelaide, South Australia / Australia

Bachelor, Mathematical and Computer Science February 2020 - July 2024

* 15% Scholarship
* Relevant Coursework: Web & Database Computing, Data Structure and Algorithm, Operating System, Using Machine Learning Tools.

# WORK EXPERIENCE

**Jung Talents North Wollongong, New South Wales, Australia**

Software Engineer Sep 2024 – Now

* Developed and enhanced AI driven interactive web applications, improving both front-end and back-end performance.
* Designed and optimized API endpoints with ASP.NET Core, Entity Framework Core, and LINQ, ensuring **99.9% uptime and smooth authentication processes.**
* Played a key role in the Carina Eyecare and PTE platform projects, leveraging Next.js, TypeScript, ReactJS, and Docker to **improve user experience by 40% and scalability by 30%.**
* Maintained code quality, optimized deployments with GitLab and AWS, and transformed Figma UI/UX designs into functional components, **boosting deployment efficiency by 20%.**

**Get2know Sydney, New South Wales, Australia**

Odoo Developer - volunteer May 2024 – March 2025

* Customized Odoo websites and modules to develop a new web application, improving user engagement and client workflows.
* Designed and implemented new Odoo features by extending and modifying core functionalities using Python and XML, leading to a 20% increase in operational efficiency.
* Collaborated with cross-functional teams to integrate the new application seamlessly with existing ERP systems.
* Optimized Odoo website performance by refining Python code and SQL queries, resulting in a 25% improvement in load times and user experience.

# PROJECTS

**Shortest Path Optimization for Material Transportation, Client: ATSYS, Team Size: 7 Members**

* Engineered an SQL-driven shortest path algorithm to enhance material transport, increasing logistics efficiency by 30% using agile project management
* Structured the factory layout as a graph utilizing MSSQL node and edge tables for precise route calculations.
* Developed SQL functions and integrated Neo4J to dynamically determine the five most efficient paths and achieved a 40% reduction in transportation time by implementing optimized routing solutions.

**Odoo - Participant Management App,** **Client: Get2Know**

* Developed a Python-based ERP solution to manage participant profiles, integrating with a third-party care plan system for seamless health data tracking and workflow automation using Python, CSS, XML, Docker, PostgreSQL, Odoo ERP.
* Integrated with Odoo modules like Employee, Sales, Invoicing, and Meetings to streamline operations, enhance data consistency, and improve care management, resulting in 30% faster data synchronization.
* Utilized Docker for scalable deployment and ensured seamless system integration across modules, achieving 99% deployment success rate.
* Optimized performance with query tuning, caching, modular design, and pagination to efficiently handle large data volumes, reducing API response time by 50%.

**Fizz-Buzz Game**

* Developed a full-stack web application, using React, TypeScript, C# .NET 6, MySQL, and Docker.
* Built a React-based frontend, reducing user input latency by 25%, and integrated with a C# .NET 6 Web API backend to process and store Fizz Buzz calculations.
* Optimized MySQL queries, cutting database retrieval time by 40%, and implemented Entity Framework Core for structured data management.
* Containerized the app with Docker, streamlining deployment time by 50%, ensuring scalability and smooth integration across services.

# SKILLS

* **Languages**: Python, C, C++, C#, HTML5, CSS, JavaScript.
* **Frameworks**: .Net, NodeJS, Reacts, Angular.
* **Platform**: Window, Mac, Linux.
* **Database**: SQL, MySQL, PostgreSQL, MSSQL.
* **Big Data & AI**: Spark, Data Pipelines, Machine Learning
* **Tools**: AWS, Docker, GitHub, Asana, Postman, NEO4J.
* **ERP**: Odoo.

# CERTIFICATION & ADDITIONAL EXPERIENCE

* AWS Certified Cloud Practitioner (In Progress).