JESHUA LIN

Network and Cloud Infrastructure Solutions Architect

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EXPERIENCE

Quantum Network Solutions Engineer/IT Manager **SpeQtral**

📋 Jan 2022 - present

Singapore

Software Engineering Intern

May 2021 - September 2021

- Architecturing and deploying quantum key distribution solutions to fortify on-premises, datacentre, and cloud infrastructure for the post-quantum age.
- Maintaining and managing internal corporate IT infrastructure and resources.
- Developed, maintained, and improved internal QKD modelling and orbit analysis tools for satellite constellation benchmarking.
- Supported cross-functional teams in conducting mission design studies, deploying cloud resources and continuous integration workflows.

Fluid Dynamics Intern

Dyson (Research, Design and Development - Fluid Dynamics)

May 2020 - July 2020

- Singapore
- Created tooling to complement and automate the team's existing Fluent CFD workflow (meshing, setup, solving, and postpro-
- Produced potential time savings of over 50 man-hours per design optimization study through automation.

Research Intern

Institut für Energietechnik, Hochschule für Technik Rapperswil

☐ July 2019 - September 2019

Switzerland

• Developed computer-aided geometry optimization workflows for the lift generating component of an airborne wind turbine in collaboration with an industrial partner.

EDUCATION

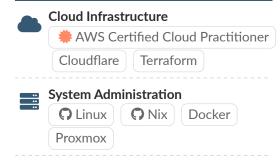
B.Eng. (Hons) in Aerospace Engineering (REP), MSc. in Technology Management

Nanyang Technological University

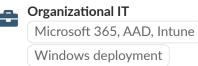
☐ August 2017 - December 2021 Singapore

• The Renaissance Engineering Programme (REP) is a 4½ year dual-degree programme in engineering and business.

SKILLS







Office network management



AWARDS



Shell Imagine the Future

National Champions, Regional Runners-up (2018/19)

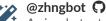
National Olympiad of Informatics Bronze Medallist (2011)

S'pore Games Creation Competition Best Technical Achievement (2011)

SIDE PROJECTS

The Daily Telegram 🕥

A Telegram bot which provides a daily digest of subscribed RSS feeds.



A simple text-transforming Telegram inline bot to spice up your messages.