NG GERALD

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)   **Aug 2019 – May 2023**
- Bachelor of Science (Business Analytics), Honours
- Financial Analytics Specialisation
- Cumulative Average Points: 4.33 / 5.00 (Current)
- Wee Cho Yaw Future Leaders' Award Scholar
- Letter of Commendation for Top Students in IS1103 AY20/21 Semester 1

VICTORIA JUNIOR COLLEGE   **Jan 2015 – Dec 2016**
- Outstanding Service Award – Student Conductor of VJChoir (College Level)

TECHNICAL SKILLS

- **Programming:** Python, Typescript, Java, R, SQL (MySQL, AWS Redshift, ClickHouse), NoSQL (MongoDB), Node.js, Solidity
- **Web Development Tools:** HTML, CSS, Javascript, Vue.js
- **Database Management:** MongoDB, MySQL, ClickHouse, AWS Glue, AWS Lambda, AWS Redshift
- **Statistical/Analytical Tools:** Microsoft Excel, Microsoft Power BI, Tableau, AWS QuickSight
- **Learning in progress:** React, Next.js

WORK EXPERIENCE

Coinhall, *Software Engineer Intern* (Letter of Recommendation)   **Jan 2023 – May 2023**
- Developed new backend APIs, supporting the redesign of Coinhall's web application which is used by more than 3000 weekly active users, while ensuring zero downtime
- Optimised existing queries when migrating the database used by Coinhall's web application, significantly reducing query execution duration
- Collaborated actively with a team of 11 developers using the AGILE framework, providing code reviews and enhancements

TES-AMM (Singapore) Pte Ltd, *Data Summer Analyst Intern*   **May 2022 – Oct 2022**
- Enhanced centralised Group Financial Storyboards which is used by the CFO to analyse and report the group's financial standing, business profitability, operations and client relations
- Designed business storyboards for global intra-company stakeholders (Europe, US, SG), allowing them to monitor the performance of their departments
- Developed an automation program to reduce unnecessary manual processes, which helped the group save at least 3 man-hours daily
- Led a machine learning project within the company to gather key insights on asset processing times, which resulted in significant reductions in costs as resources are able to be allocated more efficiently

PROJECTS

Learners-at-Risk Identification (NUS Capstone Project)   **Jan 2022 – May 2022**
- Developed a Machine Learning (ML) and Continuous Learning (CL) model to identify learners at risk for Saambash Pte Ltd, with ROC scores above 0.90
- Designed a Business Intelligence dashboard using AWS QuickSight as requested by Saambash to present results and insights

CO-CURRICULAR ACTIVITIES

Sheares Chorale (NUS Sheares Hall), *President*   **Aug 2021 – Aug 2022**

- Arranged music scores and led practices, preparing a 20-man strong choir to perform for an audience of more than 300 people during hall concerts

Sheares Acappella (NUS Sheares Hall), *President*   **Aug 2020 – Aug 2021**

- Directed the production of concept videos while adhering to social distancing measures, allowing the group to still perform amidst covid restrictions

NUSChoir, *Student Conductor*   **Aug 2020 – Aug 2021**

- Bridged communications between NUS Centre For the Arts (CFA), the Conductor and the choir
- Led a 60-man strong choir in a virtual recording project as part of a combined production by all NUS cultural CCAs for the virtual student life fair (e-SLF)

ADDITIONAL INFORMATION

- Fluent in English and Mandarin (both spoken and written)
- Certified Grade 5 in Piano by ABRSM and Intermediate(Grade 5 Equivalent) in Singing by Trinity Guildhall
- Interests: SDLC – Singing, Dancing, Learning, Coding