JAVIAN NG

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EDUCATION

National University of Singapore   **Aug 2022 - Jul 2026**
Bachelor of Science in Business Analytics
- Learn Programming methodology, and programming languages R, Java, Javascript, Python, SQL
- NUS Computing Club 26th Main Committee, President
- NUS Overseas College, Vietnam, Ho Chi Minh City, 3 Months
- NUS Overseas College, Paris, France, 6 Months - Upcoming

SKILLS SUMMARY

- Programming Languages: Python, JavaScript, R, HTML5, CSS3, SQL, TypeScript, Solidity, Shell Command Language
- Languages: Fluent in English and Mandarin (Both spoken and written)
- Tools and Frameworks: SQL, NoSQL, BigQuery, ReactJS, Node.Js, Vue, Scikit-learn, TensorFlow, Git, Wordpress, Prompt Engineering, Tableau
- MOOCs Certifications: Dynamic Public Speaking, Google Data Analytics Specialization, Introduction to JavaScript, Literacy in AI, Prompt Engineering for ChatGPT, Platform Thinking: What's beyond Uber?
- On-Going Certifications: AI Student Outreach Programme Level 3: Google Professional Machine Learning Engineer Certification
- UEH BizTech Hackathon 2023 - Third Placing

INTERNSHIP & WORK EXPERIENCE

Parametriks, Machine Learning Data Scientist Intern   **Aug 2024 - Dec 2024**
- Will be developing machine learning algorithms for risk analysis and prediction

Singapore Immunology Network (SIgN), Bioinformatics Research Intern   **May 2024 - Present**
- Conduct data analysis on genomic datasets with more than 7,000,000 rows of genomic sequences
- Wrote over 84,863 lines of code in slightly over 1 month of internship, with significant findings shifting research directions twice through data analysis and findings
- Integrated more than 11 different open-sourced bioinformatics tool into custom automated pipeline
- 3rd co-author of Refining TCR Clonotype Identification With Long-Read Sequencing Technique submitted to Society for Immunotherapy of Cancer for review

LFG, Software Developer Intern   **May 2023 - Aug 2023**
- Collaborated with 4 development team members to design and implement website and product features
- Wrote over 5,000 lines of clean, efficient, and maintainable code to develop MVP
- Collaborated with 3 designers to ensure user interface is responsive and user-friendly, aligning design and development team

Republic Singapore Air Force, National Service   **Jan 2020 - Apr 2022**
- Led 8 pioneers in day-to-day operations and training, in preparation for emergency events and missions
- Performed in National Day Parade 2021 and SAF Day 2021 as Guards of Honours
- Awarded "Best Airman of the Month" in August 2021 for going beyond duties
- Managed and updated over 10 database in Microsoft Excel and documentation in Microsoft Word and Microsoft PowerPoint
- Founded the NSF Council, impacting over 20 NSFs in 3 departments, by arranging 3 welfare events across 4 months

EXTRA-CURRICULA EXPERIENCE

NUS Computing Club, President   **Sep 2023 - Present**
- Led a team of 30 in organising over 20 club events relating to student life and development, impacting 5,000 undergraduates
- Allocated and managed club's finance of up to $300,000 to 4 departments organising over 20 events
- Leading exchange program policy change, potentially impacting 3,000 undergraduates

ASEAN Business Youth Organization, Lead Website Developer   **Jun 2023 - Present**

- Directed a team of 3 website developers, 2 UI/UX designers and 2 copywriters from 3 different ASEAN countries in building a new full-stack website application
- Conduct code revisions and optimisation on a bi-weekly basis
- Wrote over 39,998 lines of code to implement user authentication and key features

COMMUNITY INVOLVEMENT

Facilitator at Blind Awareness Program @ Yishun Secondary, Facilitator   **Jan 2022**
- Partnered with a team of 6 visually impaired (VI) and 7 non-VI facilitators to educate Secondary School students on visual impairment

ACJC Overseas Community Involvement Program (Chiangmai), Vice President   **Jul 2018 - Nov 2018**
- Showcased leadership and managerial skills by orchestrating a team of 5 in planning and execution of educational and fun activities for less privileged, and directing and allocating tasks to a group of 30 team members
- Demonstrate adaptability by working around logistical shortages to cater to more than 120 children