Chia Ang Yong

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SUMMARY

I am currently a penultimate computing student in the National University of Singapore. As an Engineering Student previously, I have discovered my passion in coding, thus I made a switch to a programming related course.
I am an outgoing and all-rounded individual seeking an internship that will allow me to gain hands-on experience in the working industry. Having the experience of taking on leadership roles, I believe that I have the ability and experience to relate to a diverse group of people and able to work extremely well under pressure.
Do feel free to contact me for any learning opportunities!

WORK EXPERIENCE

SHOPEE *Data Analyst Intern*   Sep 2023 - Present
- Analysed large datasets to identify trends, patterns, and insights, driving data-driven decision-making across various business units.
- Collaborated with cross-functional teams to define data requirements, ensuring alignment with business objectives and user needs.
- Developed and fine-tuned predictive models to forecast sales, customer behaviour, and inventory levels, aiding in strategic planning and resource allocation.
- Designed and curated sophisticated data visualization dashboards, translating complex data into intuitive graphical representations for stakeholders.
- Streamlined data processing workflows, implementing automation tools and scripts to enhance efficiency and reduce manual intervention.

A*STAR *Machine Learning / Software Developer Intern*   May 2023 - Aug 2023
- Developed data pipelines for the Oxford Nanopore sequencer using Python scripts, ensuring efficient data processing and analysis.
- Utilized Unix scripting to automate the execution of various data processing and analysis scripts, enhancing workflow efficiency and reducing manual intervention.
- Spearheaded the redesign and rebuilding of the graphic user interface using Perl and gRPC, enhancing user experience and ensuring seamless data visualization.
- Collaborated with interdisciplinary teams on research projects, identifying areas of improvement in the sequencing process and leveraging the capabilities of the Oxford Nanopore sequencer to drive advancements in genomic studies, leading to optimized throughput and accuracy.

SCHNEIDER ELECTRIC *Full Stack Software Engineer Intern*   Jun 2022 - Jan 2023
- Produced clean, efficient code based on specifications, ensuring optimal performance and maintainability.
- Integrated a variety of software components and third-party programs, enhancing system functionality and interoperability.
- Led the verification process for software solutions, ensuring robustness and reliability before deployment.
- Debugged, and upgraded existing software, ensuring continuous system uptime and addressing potential issues proactively.
- Leveraged AWS(VMware) for cloud-based solutions, enhancing the scalability and reliability of applications while ensuring data security and compliance.
- Collaborated with cross-functional teams to gather and refine software requirements, ensuring alignment with business objectives and user needs.
- Engaged in regular code reviews, fostering a culture of continuous improvement and adherence to best coding practices.

HOPE TECHNIK *Firmware Engineer Intern*   Mar 2018 - Aug 2018
- Played a pivotal role in the joint design and development of software and hardware components, utilizing Java and C++ to achieve seamless integration.
- Provided continuous support for operational software, promptly troubleshooting and resolving issues to minimize downtime.
- Enhanced software performance and reliability through rigorous testing and optimization techniques.
- Continuously updated knowledge in Java and C++, ensuring the application of best practices and the latest methodologies in software development.
- Collaborated with cross-functional teams to ensure the successful completion and deployment of key projects, including the Jurong Port Project and Singapore Power Automatic Inspection Vehicle.

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE   Aug 2021 - May 2025
Bachelor of Computing
- Vice Project Director of Red Cross Youth Fundraiser AY 23/24
- Project Director of NUS Picolove AY22/23
- Secretary of KE7 Social Outreach Committee AY21/22
- Member of KEWEB AY21/22 (KE7 Coding Club)
- Member of Inter-Hall Games AY21/22 (Awarded Campus Vibrancy Award)

SINGAPORE POLYTECHNIC   Apr 2016 - Apr 2019
Diploma of Aerospace Electronics (w Merit)
- Gold with Honours for SP CCA Grading System
- Outstanding Class Leader Award (3 Semesters)
- Vice President of School of EEE Graduate Club
- Member of Taekwondo (Bronze for Taekwondo Senior Category Whampoa Competition)

KEY SKILLS

Tools
- Eclipse, NetBeans, MS Visual Studio

Database Management
- MYSQL, PostgreSQL

Languages
- JavaScript, Python, R, HTML, CSS, C++, C#, ASP .NET

Cloud-Based Technologies
- AWS, Docker

HONORS-AWARDS

Diploma With Merit 2019
Director's Honour Roll 2018
Edusave Certificate of Academic Achievement 2018

LANGUAGES

English (Professional Working)
Chinese (Professional Working)