

Darryl Soh Soon Yong

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Highly passionate Information Systems undergraduate at Singapore Management University, well versed in Software Development, Digital Cloud Solutions and Business Analytics. Demonstrates proactive initiative and embodies an entrepreneurial spirit.

EDUCATION

Singapore Management University (SMU)

Aug 2021 - Jan 2025

- Bachelor of Science in Information Systems (*Digital Cloud Solutions and Business Analytics*)
- Dell Technologies Academy Cloud Native Award (Best SMU Information Systems Capstone Project implement Cloud Native Principles)
- GPA: 3.41/4.00 (*Cum Laude Award*)

Temasek Polytechnic (TP)

Apr 2016 - May 2019

- Diploma in Information Technology (*Business Analytics*)
- Certificate in Innovation and Entrepreneurship
- In3labs Project Prize (*Outstanding Major Project Student*)
- Director List (*Top 10% of cohort*)
- GPA: 3.59/4.00

WORK AND INTERNSHIP EXPERIENCES

HEPMIL Media Group, Associate Software Engineer

Jan 2025 - Present

- Designing and developing cloud-native applications using AWS and GCP
- Exploring AI and machine learning capabilities with Amazon Bedrock and Google Cloud's Gemini to enhance automation and intelligent processing
- Building scalable and efficient architectures leveraging event-driven patterns and cloud-based microservices
- Ensuring performance, security, and cost optimisation in distributed cloud environment

Singapore Management University, Teaching Assistant

Aug 2023 - Dec 2024

- Teaching Assistant for IS216: Web Application Development II for 2 semesters
- Teaching Assistant for IS462: Virtual Reality for Business

Roboto Coding Academy, Coding Instructor

Jan 2023 - Jan 2024

- Conducted coding classes for students aged 5-15 to equip them with technological skills
- Oversaw and trained students in preparation for coding and robotics competitions
- Developed curriculum tailored to different age groups and skill levels

HEPMIL Singapore, Software Engineer Intern

May 2022 - Aug 2022

- Launched an in-house communication bot hosted on Firebase with the Telegram API, integrated with Monday.com to improve work efficiency

- Built an IoT solution in Python with Raspberry Pi and machine vision capabilities to gather data on office crowd levels
- Implemented data analytics tools to process and visualise collected IoT data

Champ Code Academy, Coding Instructor

Jan 2022 - Aug 2022

- Conducted Scratch and MIT App Inventor online classes for students aged 5-15 to equip them with technological skills, which led to increased proficiency in coding and app development
- Offered personalised support to students to enhance individual learning experiences, which led to improved academic outcomes and greater student engagement

SGAG, Software Engineer Intern

Mar 2019 - Jul 2019

- Developed an in-house data analytics software with React and Ruby to help improve data-driven decision-making
- Created an interactive inventory management system with ReactJS, optimising inventory levels
- Modernized the technical workflow for hosting a live game-show on an in-house developed mobile game application

Hitachi, Software Engineer Intern

Jul 2018 - Feb 2019

- Developed a Python software for surveillance drones with Unreal Engine integration, resulting in enhanced real-time 3D visualisation and simulation capabilities, which led to improved mission planning Integrated company's internal library with the Google Maps API for route optimisation, resulting in improved efficiency in route planning and real-time navigation
- Enhanced existing algorithms with advanced machine-learning techniques, improving the accuracy and performance of systems

PROJECTS (Not under NDA)

[A Capella to Sheet Music](#)

Aug 2023 - Nov 2023

- Utilise CNNs and RNNS trained on A Capella audio data.
- Research on methods like Onsets and Frames to convert audio to MIDI.
- Transcribe vocals using ASR Models and combine with MIDI to generate sheet music.

[Skill Based Role Portal](#)

Aug 2023 - Nov 2023

- Allow HR to create role listings with ease.
- Allow staff to find and apply for roles based on their existing skill sets.
- Allow managers and HR to review existing applications.

[BOSS Finder](#)

Mar 2023 - Apr 2023

- Flask-based job portal for students to search for skill-matched jobs.
- Utilised NLP for students to find jobs based on job description aligning to their skills.
- Utilised Docker and Micro-service architecture for streamlined deployment.

[Eat or Starve](#)

Sep 2022 - Nov 2022

- Vue.js based game inspired by Kahoot for group food recommendations.
- Utilises Google Places API for real-time food place data.
- Online capabilities to allow multiplayer experience.

ADDITIONAL INFORMATION

- Programming Languages: PHP, SQL, Ruby, Python, C#, Java, C++, JavaScript, TypeScript, Dart
- Libraries & Frameworks: ReactJS, Django, Spring, Flutter, React Native
- Databases: PostgreSQL, SQLite, MySQL, MongoDB, MSSQL • Tools: Unix, Figma, Git, GCP, AWS, Azure
- Soft Skills: Leadership, Presentation, Problem Solving, Leadership, Proactive