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 - Present**
- Bachelor of Science in Information Systems (Digital Cloud Solutions and Business Analytics)
- Expected Date of Graduation: Dec 2024

Temasek Polytechnic (TP)   **Apr 2016 – May 2019**
- Diploma in Information Technology (Business Analytics)
- Certificate in Innovation and Entrepreneurship
- GPA: 3.59/4.00

WORK AND INTERNSHIP EXPERIENCES

Roboto Coding Academy, Coding Instructor   **Jul 2023 – Jan 2024**
- Teach and conduct coding, STEM, and technology-related classes and programs.
- Mentor students aged 5 to 15 into passionate and curious individuals in technology.
- Oversee and train students in preparation for coding and robotics competitions.

Singapore Management University, Teaching Assistant   **Aug 2023 – Dec 2023**
- Aid in teaching Web Application Development II and VR for Business development.
- Assist with student guidance and feedback in both courses.
- Aid in administrative matters for both courses.

HEPMIL Media Group, Software Engineering Intern   **May 2022 – Aug 2022**
- Developed in-house software to help reduce communication overhead by 40%.
- Researched and proposed advanced architecture, improving integration by 50%.
- Developed IoT solution for office, boosting operational efficiency by 20%.

Champ Code Academy, Coding Instructor   **Jan 2022 – Aug 2022**
- Conducted Scratch and MIT App Inventor classes on Zoom.
- Offered personalized support, enhancing students' learning experience.
- Gathered and communicated valuable feedback from students and parents.

SGAG, Software Engineering Intern   **Mar 2019 – Jul 2019**
- Developed an in-house data analytics software, achieving 30% improvement in insights.
- Implemented an interactive inventory management software.
- Provide support for live game-show mobile applications.

Hitachi, Software Engineering Intern   **Jul 2018 – Feb 2019**
- Developed software for surveillance drones with integration of Unity.
- Integrated internal library with Google Maps API for route optimization.
- Improved existing algorithms based on cutting-edge machine-learning techniques.

PROJECTS

A Capella to Sheet Music   **Aug 2023 – Nov 2023**
- Utilize 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.

Skilled 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 skillsets.
- 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.
- Utilizes Google Places API for real-time food place data.
- Online capabilities to allow multiplayer experience.

AWARDS

- **Finalist for Citi Foundation's Financial Literacy Challenge** (3rd place)
- **In3labs Project Prize** (Outstanding Major Project Student)
- **Director List** (Top 10% of cohort)
- **Finalist for Youth Entrepreneurs** (Bronze)

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