

CECILA CHEW

SKILLS	<p>Languages: English, Mandarin</p> <p>Programming: Java, Python, TypeScript, SQL, HTML/CSS</p> <p>Framework: Spring Boot, Angular, Maven</p> <p>Data & Tools: MongoDB, Redis, Microsoft SSAS</p> <p>Automation & Testing: Selenium, TestNG, VBA</p> <p>Others: Docker</p>		
EXPERIENCE	<p>Technical Analyst Programmer (Distribution Performance Management) HSBC Life Jun 2023 – Present</p> <ul style="list-style-type: none">• Created dashboards for distribution sales insights in Excel by using tools such as Power Query, Pivot Table, VBA• Performed data preparation and transformation for analysis.• Developed internal automation tools using VBA to streamline workflow processes and reduce manual workload, increasing efficiency for the Distribution Sales Support team. <p>Associate Software Engineer VISA Singapore Oct 2023 – Oct 2024</p> <ul style="list-style-type: none">• Built an NL→SQL system (T5, Python) achieving 85% query accuracy, enabling non-technical users to query databases.• Automated chatbot testing and shipped features across backend (Spring Boot) and frontend (Angular)• Implemented a profile switch feature for role management that improves usability and security.• Generated incentive reports using pivot tables and Microsoft SQL Server Analysis Services <p>Data Analyst Intern Wistech Sep 2022 – Nov 2022</p> <ul style="list-style-type: none">• Built dashboards and contributed to AI model training for sales/revenue prediction/forecasting• Visualized sales data with Python and presented actionable insights to stakeholders.• Analyzed key metrics and recommended process improvements.		
PROJECTS	<p>Typing Simulator & Calendar Planning Web Apps NUS-ISS 2024</p> <ul style="list-style-type: none">• Developed Angular + Spring Boot web apps for typing simulator and calendar planning.• Links: Calendar App		
EDUCATION	<p>NUS-ISS Singapore <i>Graduate Diploma in Software Development</i> 2023 – 2024</p> <p>Nanyang Polytechnic Singapore <i>Diploma in Business Intelligence and Analytics</i> 2020 – 2023</p>		
INTERESTS	<p>Artificial Intelligence & Machine Learning</p> <p>Bouldering</p>		