

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 (Distribution Sales Support) HSBC Life Jun 2023 – Present</p> <ul style="list-style-type: none">• Developed internal automation tools using VBA to streamline workflow processes and reduce manual workload for the Distribution Sales Support team.• Created Excel solutions that helped consolidate data and generate reports more efficiently.• Worked closely with team members to understand operational pain points and build tools that improved productivity. <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), reducing manual QA effort.• Implemented a “switch profile” feature for role management, improving usability and security.• Generated incentive reports using pivot tables and Microsoft SQL Server Analysis Services, supporting finance decisions. <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, enhancing 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</p> <p>NUS-ISS</p>	2024
	<ul style="list-style-type: none">• Developed Angular + Spring Boot web apps for typing simulation and calendar planning.• Links: Typing Simulator, Calendar App	
EDUCATION	<p>NUS-ISS</p> <p><i>Graduate Diploma in Software Development</i></p> <p>Nanyang Polytechnic</p> <p><i>Diploma in Business Intelligence and Analytics</i></p>	<p>Singapore</p> <p>2023 – 2024</p> <p>Singapore</p> <p>(enter correct years)</p>
INTERESTS	<p>Artificial Intelligence & Machine Learning</p> <p>Bouldering</p>	