

# CECILA CHEW

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