

# CECILA CHEW

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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)   HSBC Life</b> 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><li>• Worked closely with team members to understand pain points and build tools that improved productivity.</li></ul> <p><b>Associate Software Engineer   VISA Singapore</b> 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), reducing manual QA effort.</li><li>• Implemented a “switch profile” feature for role management, improving usability and security.</li><li>• Generated incentive reports using pivot tables and Microsoft SQL Server Analysis Services, supporting finance decisions.</li></ul> <p><b>Data Analyst Intern   Wistech</b> Sep 2022 – Nov 2022</p> <ul style="list-style-type: none"><li>• Built dashboards and contributed to AI model training for sales/revenue prediction, enhancing 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 2024</p> <ul style="list-style-type: none"><li>• Developed Angular + Spring Boot web apps for typing simulation and calendar planning.</li><li>• <b>Links:</b> <a href="#">Typing Simulator</a>, <a href="#">Calendar App</a></li></ul>		
EDUCATION	<p><b>NUS-ISS</b> Singapore <i>Graduate Diploma in Software Development</i> 2023 – 2024</p> <p><b>Nanyang Polytechnic</b> Singapore <i>Diploma in Business Intelligence and Analytics</i> (enter correct years)</p>		

INTERESTS	Artificial Intelligence & Machine Learning Bouldering
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