

# Te Shi

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## EDUCATION

<b>University at Buffalo</b> <i>Master of Science, Computer Science and Engineering / GPA: 3.9</i>	<b>Aug. 2024 – Dec. 2025</b> <i>Buffalo, NY</i>
<b>University of Calgary</b> <i>Master of Mechanical Engineering / GPA: 3.9</i>	<b>Jan. 2022</b> <i>Calgary, AB</i>
<b>Toronto Metropolitan University</b> <i>Bachelor of Mechanical Engineering</i>	<b>Oct. 2019</b> <i>Toronto, ON</i>

## WORK EXPERIENCE

<b>Blinkle AI</b> <i>Full Stack Software Engineer Intern</i>	<b>Mar. 2025 – present</b> <i>New York, NY</i>
Blinkle is a job matching platform that leverages advanced AI technology to connect job seekers with ideal positions.	
<ul style="list-style-type: none"><li>Contributed to the development of resume-tailoring features, enhancing user experience and app performance</li><li>Designed and implemented end-to-end features with React, TypeScript, and Tailwind CSS in a Next.js environment</li><li>Built an interactive resume revision system integrated with REST APIs, reducing user editing time by ~30%</li><li>Developed responsive, production-ready registration pages in collaboration with the design and data teams</li><li>Engineered job autofill functionality in a Chrome extension, streamlining applications for ~10 major platforms with near error-free accuracy</li><li>Utilized Git and GitHub for version control, managing feature branches, conducting code reviews, and resolving merge conflicts in a team environment</li></ul>	
<b>Admetal Engineering Corporation</b> <i>Engineering Specialist</i>	<b>Jan. 2022 – Apr. 2024</b> <i>Toronto, ON</i>
A company specializing in logistics automation and system optimization to improve warehouse and logistics efficiency worldwide	
<ul style="list-style-type: none"><li>Automated inventory management systems using Python and VBA, improving accuracy by 45%</li><li>Modernized the company website with React, enhancing client accessibility and achieving 100% uptime post-launch</li><li>Designed and optimized mechanical components for freight elevators and HVAC systems using SolidWorks, improving system reliability</li><li>Developed technical solutions to resolve urgent quality issues, ensuring on-time, high-quality product delivery</li></ul>	

## PROJECTS

<b>FilmScope Toronto: A Film Showtime Aggregation Website</b>	<b>Sep 2024</b>
<ul style="list-style-type: none"><li>Independently developed a full-stack movie screening website for Toronto, featuring movie listings, user authentication, and a custom admin system for 1,000–2,000 users</li><li>Built a secure RESTful API backend with 25+ endpoints using Java Spring Boot and Spring Security</li><li>Designed a 7-table PostgreSQL database with BCNF normalization, transaction and trigger-based validations, and optimized queries with indexing, reducing execution cost from 10,000+ to under 100</li><li>Implemented a responsive user interface and admin page with React; integrated showtime data via Scrapy, Playwright, and the TMDb API</li></ul>	
<b><u>Used Car Resale Price Predictor</u></b>	
<ul style="list-style-type: none"><li>Developed a full-stack Used Car Resale Price Predictor with a user-facing web interface and admin management system</li><li>Built Python scripts to scrape data from car trading platforms and managed a scalable cloud database on AWS</li><li>Performed data cleaning, formatting, and exploratory analysis, reducing data errors by 20%</li><li>Implemented machine learning models (Gradient Boosting, Random Forest, XGBoost) achieving 86%+ prediction accuracy</li><li>Created an interactive admin page with authentication for data management and a modern UI for price predictions</li></ul>	

## SKILLS, TECHNOLOGIES & INTERESTS

<ul style="list-style-type: none"><li><b>Skills:</b> React (Redux); Python (Numpy, Pandas, Scrapy, Scikit-Learn); JavaScript (TypeScript); Java; CSS (Tailwind CSS); HTML; SQL; Spring Boot; C; Git</li><li><b>Technologies:</b> Full-Stack Development; Web Development; Database; Machine Learning; Web Scraping; Data Visualization</li><li><b>Interests:</b> Hiking; Movie; Reading; Traveling; Accordion</li></ul>
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