HANSON LIU

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EDUCATION

University of Toronto **Sep 2021 – Apr 2026**
Bachelor of Applied Science in Engineering Science 3.28 GPA *Toronto, ON*
Relevant Courses: Computer Algorithms and Data Structures, Linear Algebra, Fundamentals of Electric Circuits

PROJECTS

DayTrips | *Javascript, HTML/CSS, Bootstrap* **Sep 2019**
- Built a web application using Javascript, HTML/CSS, and Bootstrap to assist users with trip planning.
- Users can select various tourist sites and the program will generate the optimal schedule and route.
- Utilized Google Maps APIs (Distance Matrix API, Maps JavaScript API, etc) to acquire the time and distance between locations.

TrashAttack | *Python, Pygame* **Aug 2020**
- Developed a web game using Python with Pygame to educate children on proper waste management.
- Users must switch between three bins (garbage, paper, and recycling) to catch waste falling from the sky.

Employee Managament System | *Java, Eclipse* **Mar 2021 – Apr 2021**
- Created an employee management system with Java.
- Included a GUI with features to add, remove, edit, list, inquire, and save employees to and from a database.
- Employee info is stored in a text file to enable the data to be recovered when relaunching the EMS.
- Utilized an open hash table to maintain employee info when the program is running

EXPERIENCE

Skating Instructor **Jan 2020 – Present**
City of Mississauga *Mississauga, ON*
- Instruct children ages 4-12 on ice skating.
- Plan weekly lessons, evaluate students' abilities, and write progress cards.
- Answer parents' inquiries with professionalism and resolve workplace issues mindfully.

Retail Sales Associate **Jun 2021 – Aug 2021**
TJX Canada - Marshalls *Mississauga, ON*
- Greeted customers in a friendly and polite manner.
- Answered customers' questions regarding merchandise items, prices and brands.
- Provided information on promotions, TJX Canada policies and procedures, events and store locations.
- Demonstrated a high degree of customer service while processing refunds, exchanges, and purchases in accordance with company guidelines.

Cluster Director **Sep 2020 – Apr 2021**
DECA Woodlands *Mississauga, ON*
- Created and presented weekly lessons for cluster members.
- Hosted one-on-one seminars biweekly to offer suggestions and criticism.
- Assigned weekly assignments to monitor my cluster's progress.

Executive of Public Relations **Sep 2020 – Jun 2021**
MEDLIFE Woodlands *Mississauga, ON*
- Led weekly meetings for the promotions team.
- Designed promotional content and oversee all promotion-related activities.
- Managed MEDLIFE Woodlands' social media pages.

TECHNICAL SKILLS

Languages: Python, C, Java, HTML/CSS, JavaScript, MATLab
Developer Tools: VS Code, Eclipse, CodeBlocks, pyzo
Software: Premiere Pro, Photoshop, After Effects, MS Office