Celeste Luo

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Education

University of Waterloo   Waterloo, ON
Bachelor of Computer Science   *Sept. 2022 - Apr. 2027*

Experience

Security Software Developer   (Remote) Waterloo, ON
ISARA CORPORATION   *May 2023 - present*

- Made data export generation 85% faster by implementing it as a backend endpoint
- Set up automated Docker project packaging and PostgreSQL database provisioning with SSL configuration
- Migrated data ingestion & indexing workflow to Elasticsearch, improving query capabilities & efficiency

Student Computing Consultant   Waterloo, ON
UNIVERSITY OF WATERLOO INFORMATION SYSTEMS & TECHNOLOGY   *Jan. 2023 - Apr. 2023*

- Built communication and troubleshooting skills under the pressure of distressed customer service clients

Computer Programming Club Developer   Toronto, Ontario
W.L. MACKENZIE C.I.   *Sept. 2021 - June 2022*

- Contributed to ctf.mcpt.ca, an online judge for challenge problems and school-wide and provincial contests, hosting over 100 problems, 375 users & 5000 submissions
- Wrote asynchronous JavaScript to administer Docker challenge resources on-demand via API endpoint
- Built a mobile-responsive user interface using Sass and Python Django class-based views

Website Developer   Ontario, Canada
ACTION CIND   *Feb. 2019 - present*

- Developed and maintained charity websites using WordPress & PHP, following W3C accessibility standards
- Set up user-friendly blogmaster tools, e.g. automatic newsletter management and page & form templating

Honors & Awards

CyberSci Cybersecurity Challenge National Finals   Govt. of Canada CSE
1st Place; Team Canada member for ICC worldwide championship   *2023*

picoCTF Cybersecurity Competition   Carnegie Mellon University
1st Place in Canada, 3rd worldwide of 7794 teams / 18000+ students   *2022*

CyberPatriot Cybersecurity Competition   US Air Force Association
1st Place in Canada, 5th worldwide of 5254 teams / 19000+ students   *2021, 2022*

Skills

Languages   JavaScript, Python, TypeScript, Java, C, PHP, PowerShell, Bash
Tools & Technologies React.js, Node.js, Django, Express.js, Flask, PostgreSQL, Docker, Git, Linux