

- Implemented a medication assistant as a safer and more accessible way to manage medication for those with language barriers and sight or memory issues. Generates QR code labels accompanied by an web app for detailed and personalized dosage information in multiple languages and text to speech instead of the original small hard to read labels. Includes notification, scheduling, and refill reminding features.

cleancue | *Python, OpenCV, Cohere, RaspberryPi, CUDA, Taipy* | Best Use of Taipy at Hack the North 2023



- Created a surveillance camera that tracks clutter, hazards, unused items, and left out food in shared spaces using computer vision and acts like a parent with speech and notification reminders aimed towards roommates, parents, and dementia patients.
- Used OpenCV and Python for the computer vision, and used Cohere and other APIs for text to speech and personality.

pengage | *Django, SQLite, HTML, CSS, Bootstrap* | National Finalist at FBLA CNLC 2023



- Built a web-based platform that allows students to easily track and sign up for school events, participate in challenges and earn points, and compete with their peers for prizes and recognition as a way to increase student participation in school events and activities, which was the given prompt.
- Included an events, points, attendance, reward, badge, and leaderboard system.

Technical Skills

Languages: Python, Java, C++, JavaScript, HTML/CSS, Ruby, Processing

Frameworks/Engines: Django, Flask, React, React Native, Unity (currently learning)

Tools: VS Code, GitHub, MongoDB, Figma, Adobe Photoshop/Illustrator, Blender, SketchUp, DaVinci Resolve, Procreate

Awards

10x Hackathon Winner: HackMIT (2024), JAMHacks 8 (2024), FBLA CNLC National Finalist (2023), Hack the North (2023), JAMhacks 7 (2023), Holiday Game Jam (2023), LyonHacks II (2022), Holiday Game Jam I (2022), SuperPOSITRON (2021), LyonHacks I (2021), attended 17+.

Programming Contests: Canadian Computing Contest Sr. Honour Roll, 3rd Highest Female Score (2022); European Girls' Olympiad of Informatics Team Canada Training Camp Invitee (2022, 2023); UC Berkeley CALICO Fall '22 6th/271 (2022); participated in 30+ contests.

Cybersecurity Contests: CyberPatriot XVI 1st in Canada and top 0.30% globally (2024), CyberPatriot XV 2nd in Canada and top 0.28% globally (2023); 8th CTF team in Canada (2022), participated in 44+ contests, top 10% in a couple.

Misc: NCWIT Aspirations in Computing Award Winner (2024); Friesens Cover Contest Bronze Winner (2024); New York Times Sixth Annual Podcast Contest Finalist (2023); Multiple Math Contest Distinctions (2021-2024); Canada Girls' Math Challenge Sr. 2nd (2023); IKEA Soft Toy Drawing Competition National Finalist (2019); Toronto Science Fair Bronze (2023).