Ammielle Wambo Becker

Email: awambobe@uwaterloo.ca
ammiellewb.me
LinkedIn: ammielle-wambo-becker

EDUCATION

University of Waterloo — Sep 2023 – May 2028
Candidate for Bachelor of Applied Science in Systems Design Engineering — *Waterloo, ON*

- <u>Clubs and Societies:</u> NSBE Representative, Blueprint Project Developer, Tech+ Education Co-Lead
- <u>Relevant Coursework:</u> Digital Computation, Data Structures and Algorithms, Human Factors in Design
- <u>Awards:</u> Schulich Leader Scholarship, National Center for Women & Information Technology National Award

SKILLS

Engineering prototyping and design experience: Sound knowledge of engineering fundamentals
Leadership, logistics, and organizational skills: Highly motivated, proactive, and eager to take on new challenges
Programming Tools: Python, C/C++, C#, SQL, Java, JavaScript, HTML/CSS, MATLAB, Databricks
PM and Design Tools: Jira, Confluence, Trello, Figma, Microsoft Office, WordPress
Effective communication in **French, English, & German**

WORK EXPERIENCE

Electrical Engineering Intern — Jan 2024 – Apr 2024
Stantec — *Montreal, QC*

- Developed and led a Desktop app in **C# and SQL/Entity Framework** for visual audits at recycling plants, **reducing error rates and manual labour time by up to 6x;** managed all phases from initial Figma mock-ups and data models, through user testing and iterations, to final documentation
- Researched and analyzed tech solutions to create multi-criteria evaluation matrices, invoice estimates, and vendor databases to streamline decision-making processes while adhering to project scope, budget, and schedule
- Wrote technical briefs, project notices, presentations, and site visit reports for **6 transportation projects,** incorporating client feedback into engineering specifications and ensuring efficient coordination among various design disciplines

Data Science Intern — Sep 2021 – Jun 2022
New Equilibrium Biosciences — *Cambridge, MA*

- Built a comprehensive database of 30,000+ market-available drug molecules, including vendor information, pricing, and availability; used Git for **effective version control and collaborative sharing of code updates**
- Created a molecular property estimation pipeline with a focus on data cleaning and preprocessing in Python, ensuring robust data handling and accurate analysis outcomes
- Produced 30+ histograms using derived molecular fingerprints to uncover insights into the drug market and communicate them to the experimental team, **facilitating informed decision-making and strategic planning**

LEADERSHIP EXPERIENCE

Vice Chairperson | *World Vision Canada Youth Council* — Sep 2023 – Present

- Co-led council operations, **directly overseeing projects and managing annual budget,** enhancing overall council productivity in the areas of outreach, marketing, government advocacy, and content creation
- Organized and hosted the annual Youth Summit in Toronto, **a hybrid networking and advocacy skills-building event for 100+ youth,** increasing youth engagement and professional development
- Facilitated bi-weekly team meetings, strengthening the cohesion of the 10+ member team while delivering consistent agendas, meeting minutes, and follow-ups
- Implemented a structured attendance and accountability system, boosting deliverable completion rates and fostering a robust, supportive council environment

Teen Advisor | *Girl Up* — May 2022 – May 2023

- Selected as 1 of 25 global Teen Advisors, **influencing UN Foundation's programming strategy and promoting gender equality initiatives**
- Moderated a **panel on Women in STEAM with 75+ attendees,** coordinating speakers and ensuring participant engagement
- Led a team of 5+ volunteers for social justice club, **organizing fundraising campaigns that generated $2,000+** for various charities over 5 years