Amelia Kemp

amckemp@uwaterloo.ca | LinkedIn | GitHub | Personal Website

SKILLS

Languages: C, C++, JavaScript, Python, HTML, CSS, VHDL
Other: Git, Bash, VS Code, Object-Oriented Programming and Competitive Programming in C++, SolidWorks

EXPERIENCE

Freelance Web Developer   (July 2023)
University of Ottawa Department of Anesthesiology and Pain Medicine
- Created an interactive map to display locations where faculty members presented talks and workshops
- Built using HTML, CSS, JavaScript, and the Leaflet library
- Categorized and presented data from 100+ presentations in 30+ cities, in an organized and concise manner
- Developed a responsive design layout to ensure cross-platform compatibility

Computer Science and Math Tutor   (June 2021 - January 2022)
Self-Employed
- Tutored Grade 11 Computer Science (C++) and improved student's grade from <50% to 77%
- Provided tutoring and academic support to a Grade 9 Math student with a learning disability

Garden Center and Bakery Clerk   (May 2023 - August 2023)
Real Canadian Superstore
- Provided excellent customer service, addressed customer inquiries and facilitated purchases
- Worked collaboratively within a team to manage store upkeep, organization, and appearance to ensure a pleasant shopping environment

PROJECTS

Product Joy Predictor - Chrome Extension
- Chrome extension built for the Amazon website using JavaScript
- Used the Laplacian Succession Theorem to show the probability of a user enjoying a product
- Published to the Chrome Web Store

WeatherBox
- Diorama simulating current weather conditions using an Arduino and other hardware
- Used C++ and LED strips to realistically mimic the sun's movement, colour, and light intensity according to the time of day and weather conditions

Etch-A-Sketch and **Rock Paper Scissors** **Games**
- Built and augmented the games while following The Odin Project curriculum
- Used JavaScript, HTML, and CSS

EDUCATION

University of Waterloo, *Bachelor of Software Engineering, Honours*   *Expected May 2028*
- GPA: 3.88

University of Ottawa, *Technical Design Course (TDJ10)*   *July 2021*
- Learned and applied the engineering design process, hand sketching, 3D drawings, and 3D modelling
- Collaborated with teammates to design and model a prototype cup holder for folding chairs
- Grade received: 99%