

GALI POLYAK

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EDUCATION

Bachelor of Computing, Computer Science (Co-op)

4.0 GPA

University of Guelph, Guelph, ON

College of Engineering & Physical Sciences Dean's Honours List

Relevant coursework: Intermediate Programming (92%), Discrete Structures in Computing, Object Oriented Programming, Data Structures, Structure and Application of Microcomputers, Statistics

TECHNICAL SKILLS

Programming Languages: Python, C, C#, HTML, CSS, R, SQL, Java

Operating Systems: Linux, MacOS

Task Management: Git, Github

PERSONAL PROJECTS

Technical Showcase Hub

github.com/galiPolyak/PortfolioWebsite, Oct 2023

Created an online portfolio using HTML, CSS, and JavaScript to showcase skills and projects effectively.

- Developed a dynamic portfolio website showcasing proficiency in web development and responsive design.
- Ensured optimal user experience across devices by implementing responsive design techniques, showcasing mobile-friendly web development skills.

Minesweeper Game

github.com/galiPolyak/Minesweeper, April 2023

Developed a Minesweeper game in C# and the XNA framework,.

- Implemented multiple difficulty levels, intuitive user interface, and sound effects, enhancing the gaming experience and attracting diverse players.
- Showcased proficiency in C# programming, object oriented programming, and user interface design, resulting in a fully functional Minesweeper game.

KEY ACADEMIC PROJECTS

Data Structure Efficiency Analyzer

github.com/galiPolyak/DataStructureAnalyzer, Fall 2023

Analyzed genomics data structures using C programming for efficiency analysis in real-world contexts.

- Enhanced data processing efficiency through the creation of multiple programs using arrays, linked lists, and linked lists with head and tail pointers, optimizing data structure performance.
- Demonstrated expertise in linked list management, showcasing time efficiency improvements for handling large-scale data files.

Stock Data Analysis Project

Spring 2023

Conducted an in-depth statistical analysis effectively in a dynamic two-person team.

- Utilized R programming language and statistical analysis techniques to explore a potential correlation between Alphabet and Meta stocks.

ACTIVITIES

Guelph Women In Computer Science (GWICS)

Sep 2022 – Present

Multiple leadership roles, including vice-president and marketing manager (40 members, \$5k annual budget)

- Organized "Go CODE Girl" event promoting coding for Grade 7 - 12 girls; developed curriculum, facilitated learning, ensured inclusivity, and fostered digital empowerment for diverse participants.
- Efficiently oversees social media marketing strategies to enhance the club's online presence and foster stronger community engagement.

OTHER WORK EXPERIENCE

Richmond Hill Golf Club, Richmond Hill, ON: Waitress

May 2023 – Aug 2023

- Established strong problem-solving abilities by resolving customer complaints and finding solutions to ensure customer satisfaction.