

Edward Sheeran

Honours Computer Science Co-op Student

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Highlights of qualifications

- Enrolled in level 4 of the Honours Computer Science program at McMaster University
- Excellent communication, teamwork, & leadership skills developed through involvement in DeltaHacks
- Effective organization, time management, and project management skills gained through 12 months of co-op experience
- Experienced with object-oriented programming, software design patterns, software architecture, distributed systems design, & front/back-end development
- Proficient in Java, C++, C, CSS, SQL, & JavaScript with 3-years' experience in each

Education

Bachelor of Applied Science, Honours Computer Science / McMaster University / April 2024

- Current grade-point average of 3.6 on a 4.0 scale
- Received McMaster's entrance scholarship for an 88% grade-point average in high school
- *Relevant courses:* Data Structures, Requirements Engineering, Discrete Mathematics, Software Documentation, Computer Graphics, Databases and Life Cycle

Experience

Software Developer Co-op / ArcelorMittal Dofasco, Hamilton / May – August 2021

- Implemented bug fixes and change requests to order processing application using Java and Oracle PL/SQL
- Added functionality to communications ASP.net web application using C# & PL/SQL
- Worked with clients to gather requirements and specifications, & design prototypes
- Created formal software requirements documentation, design documentation & testing plans

IT Application Analyst Co-op / National Bank of Canada, Toronto ON / May – Aug 2022

- Enhanced problem-solving skills while acting as the primary production support for bank-wide stock market trader and back-office operations
- Managed several individual and team projects and produced enhancements on production servers using strong analytical and programming abilities
- Supported a UNIX test and production environment in addition to Python, Perl, Shell, Bash, and SQL

IT Assistant Co-op / Department of Family Medicine, McMaster University / May – Aug 2020

- Configured the front end of the Request Tracker software to allow for incoming emails to be sorted properly into groups according to the type of problem being requested
- Wrote documentation for Logitech ConferenceCam system, Request Tracker, Asset Tracker, & presented findings to co-workers and supervisors in weekly team meetings

Projects

Social Media Scraper / Grade received: A

- Used Python to scrape media data from social networks of all American Major League sports players
- Computed a score using this data and used an SQL database to rank players based on their social media influence

Maze Explorer / Grade received: A-

- Collaborated in a team of 4 to build a 3D maze explorer videogame, using C#
- Implemented many concepts used in courses such as Algorithms & Data Structures

Six Men's Morris

- Created a game with 4 people, based on the original Nine Men's Morris with a few variations implemented through Java
- Integrated file browsing so the user can save or open a game and continue playing from where they left off
- Designed and performed multiple white box and black box testing through Java

Extracurricular Activities

Executive Member, Relations / DeltaHacks, McMaster University / Fall 2020 – Present

- Recruited companies to secure sponsorships for the DeltaHacks hackathon and obtained \$10,000 more compared to previous years
- Developed excellent organization and communication skills by continuously updating and following up with sponsors prior to, during, and after the event
- Improved teamwork skills by coordinating sponsor details and requests with the logistics team and ensuring each request was fulfilled properly and in a timely manner

Student Volunteer / McMaster Software Outreach / Fall 2020 – Present

- Encouraged interest in Computer Science at the elementary school level through interactive graphical programming and activities on basic concepts such as binary numbers

Skills

Proficient Languages: Java, HTML, CSS, JavaScript, SQL, C, C++

Familiar Languages: Python, C#, Visual Basic, Perl, Shell, Bash, Haskell, Assembly

Tools/Frameworks: Bootstrap, jQuery, SVN, Git, Junit