

EDWARD SHEERAN

Honours Computer Science Co-op Student



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Linkedin.com/in/sheeran

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HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in level 4 of the 4-year Honours Computer Science co-op program at McMaster University
- Excellent communication, team work, and 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 end and back end development
- Proficient in Java, C++, C, CSS, HTML, SQL, and JavaScript with 3-years experience in each

EXPERIENCE

Software Developer Co-op

ArcelorMittal Dofasco, Hamilton ON

May – August 2018

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

IT Application Analyst Co-op

National Bank of Canada, Toronto ON

May – August 2016

- 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, Hamilton ON

May – August 2016

- 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, and AssetTracker and presented findings to co-workers and supervisors in weekly team meetings
- Tested the sign-in kiosk to assess changes that needed to be implemented to create a better human interface experience

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

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EDUCATION

Bachelor of Applied Science,
Honours Computer Science

McMaster University, Hamilton ON

September 2015 - Present

- Current grade-point average of 3.6 on a 4.0 scale
- Received the McMaster entrance scholarship for an 85-89% grade-point average in high school
- *Relevant courses:* Data Structures, Requirements Engineering, Discrete Mathematics, Software Documentation, Computer Graphics, Databases and Life Cycle

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
- Implemented many concepts used in courses such as Algorithms & Data Structures

Six Men's Morris

Grade Received: A

- 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 some white box and black box testing through Java

EXTRACURRICULAR ACTIVITIES

Executive Member, Relations

DeltaHacks, McMaster University

2017 - 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

2017 - Present

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