


Nezar Dimitri

Third Year Software Engineering Student

Self-motivated, ambitious student keen on learning and applying new skills, with industry experience planning and developing software.



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Education

09/2014 - 04/2018

Hamilton, ON

Bachelor of Engineering, Software (Specialization in Embedded Systems) McMaster University

Relevant Experience

- Participated in various hackathons & conferences -->
- Introduction to Software Development (received A+)
- CUSEC, YHacks, RoboHacks, ConUHacks, McHacks, and DeltaHacks
- Software Project Management (received A+)

Work Experience

05/2016 - 09/2016

Rogers Park, Brampton, ON

Junior Developer & Technical Systems Analyst Rogers Communications / TierOne OSS Technologies

Tasks/Achievements

- Learned how to manage my time properly to work under tight deadlines. Was able to apply my problem solving & trouble shooting skills to come up with outside the box solutions.
- Used Splunk (a software for searching, monitoring, and analyzing machine-generated big data) to analyze big data generated by the technology infrastructure and business applications.
- Created different levels of dashboards used by various teams (from operations to executives) using Splunk to analyze the data paired with XML, javascript, HTML, and CSS to give the visuals needed.
- Replicated and revamped reports offered by vendors, resulting in savings of over \$100,000.
- Acquired strong understanding of the architecture behind the ROD (Rogers On-Demand) platform as well as the SeaChange video delivery system and logs.

07/2015 - 09/2015

Toronto, ON

In-House Software Developer Improtech Ltd.

A mechanical engineering firm focused on process automation of the Food and Beverage industry.

Tasks/Achievements

- Created many Microsoft CSV file manipulation algorithms to benefit workplace efficiency
- Developed a program that creates purchase order forms, quotes, and packing slips using a data base of clients' addresses (manual process to create a single form would take around 30 minutes, while program decreased time to 5 minutes).
- Analyzed drawings and researched parts for machines with considerations of financial constraints, negotiated with suppliers, and presented results to a superior.
- Utilized organizational skills to design new inventory system for office stationary in addition to a new shelving system for catalogues to increase office efficiency.

Skills

Ability to master new skills in a short period

Leadership and teamwork

Software Development and Testing tools

Java, VB, Splunk, Python, Bash

C++, SQL, XML, HTML, CSS, JavaScript

Matlab, C, MIPS, PHP, NASM

Git, LaTeX

UNIX based OS, Mac OS X, and Windows

Microsoft Office Suites, Excel CSV manipulation

Projects

TheLenaProject (09/2016 - Present)

- Image processing desktop application, allows users to add filters to an image in less than a second, keeping the resolution, and through a simple GUI.
- Used Marvin Image Frameworks to generate figures algorithmically using fractals, Lindenmayer systems and other approaches.

Twinder (01/2016)

- Web based app which utilizes the Clarifai API to analyze inputted images and tag the photo with words that describe the image.
- Tags are cross analyzed with other tags in the database and narrowed down to find the lookalike of the user.

Scheduler3000 (2013 - 2014)

- Program to fix scheduling clashes and render a working high school time table for teachers

Organizations

McMaster Arduino Club (2016 - Present)
Student Member

McMaster Engineering Society (2014 - Present)
Student Member

Student Volunteer (09/2013 - 01/2014)
Taught students the principles of programming

Robotics Club (2012 - 2014)
Co-founder

Awards

McMaster President's Award (2014)
Award of \$2500 for academic excellence