MELANIE LEVY-HARA

SOFTWARE DEVELOPER
UI/UX DESIGNER
PROJECT MANAGER

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🖱 http://levyharahacks.me https://github.com/MelanieLevy-Hara

ABOUT ME

As a student in Systems Design Engineering, I hope to open my eyes to the world's largest problems. I am passionate about seamless design and ensuring the best user experience in all of my work. I have knowledge in software development, UI/UX, and project management through my previous co-op positions. I believe in direct communication and can adapt to various work environments. I also enjoy stepping out of my comfort zone and always putting my best work forward.

TECHNICAL SKILLS

Software Development

C++, Excel/VBA, XCode Swift, HTML/CSS, Javascript, jQuery, AngularJS

Design Tools

Adobe Illustrator, Adobe Photoshop, Balsamiq, MS Powerpoint, MVC Framework

Database Tools

ETL Scripts (Pentaho), Oracle, Postgres

INTERESTS/HOBBIES

Hack the North, Queen's Startup Summit, Deloitte Business Case Competition, YHack

Engineering Ambassador, Orientation Week Leader, Fluxible Conference Volunteer, Design Enthusiast

Volleyball, Soccer, Football, Insanity Workout Program, Weight Training

WORK EXPERIENCE

Deloitte National Innovation Office: Business Analyst
May-August 2015

- Managed Swift iOS application project that enhances the client experience in the Deloitte Greenhouse
- Successfully developed the application with minimal technical support
- Coached, mentored and supported two students during their internship

Audatex (a Solera Company): Software Developer
September-December 2014

- Created ETL (Extract, Transform, Load) scripts to parse 100,000 data elements from various XML files into an Oracle relational database using Pentaho Data Interface
- Reduced ETL runtime performance by 50%, exercised version control through Git

Ontario Ministry of Transportation: Traffic Analyst
January-April 2014

- Designed and executed VBA modules to verify databases and exceeded database verification requirements by 40%
- Compared different sources of errors for traffic count data
- Developed statistical analyses for data validation

York University: Geomatics Research Lab Member
July-August 2013

- Self-learned geographical information system (GIS) software to discover possible applications for the research lab
- Designed and presented QGIS projects to lead professor to showcase its functionalities and possible applications

COMPETITIONS

Queen's Startup Summit
January 2015

- Designed an Optical Character Recognition API system to help restaurants leverage their customer service experience by allowing customers to scan menu items and automatically place orders

YHack at Yale University
October 2014

- Developed a web application that allows users to track their mood and personal wellbeing by answering questions about themselves
- Leveraged the MEAN stack (MongoDB, Express, Angular.JS, Node.JS)