

Melanie Levy-Hara

Email: mlevyhar@uwaterloo.ca

Website: <http://levyharahacks.me>

Github: <http://github.com/MelanieLevy-Hara>

2A Systems Design Engineering

LinkedIn: <http://linkedin.com/pub/melanie-levy-hara/76/644/385>

SUMMARY OF QUALIFICATIONS

- Web Development: HTML/CSS, JavaScript, jQuery, Node.js, Angular JS, MongoDB, ASP.NET MVC
- Data Tools: PL/SQL, Excel/VBA, relational databases (Oracle, PostgreSQL), and ETL scripts
- Git, Agile/Scrum, and Object Oriented Programming in C++ and C#
- Design Tools: Photoshop, Balsamiq, Solidworks
- Fluency in Spanish

WORK EXPERIENCE

Audatex (a Solera Company)

Sep 2014 – Dec 2014

Software Engineer

- Created ETL (Extract, Transform, Load) scripts to parse 100,000 data elements from various XML files into an Oracle database using Pentaho Data Integration (PDI)
- Improved ETL performance by 50% runtime, exercised version control through Git
- Redesigned the company's website to be responsive for various devices
- Recommended productivity improvements on systemic scale to Senior Management Team

Ministry of Transportation of Ontario (MTO), Traffic Office

Jan 2014 – May 2014

Traffic Information Analyst

- Wrote and executed VBA modules to verify databases
- Exceeded database verification requirements by 40%
- Created training materials to improve employee efficiency while using program
- Compared different sources of error of traffic counts by video and developed statistical analyses (T-tests and F-tests) for data validation

York University, Department of Geomatics Engineering

Jul 2013 – Aug 2013

Member of Geomatics Research Team

- Explained functionality of geographical information system QGIS to lead professor
- Self-learned QGIS to discover possible applications by using different research methodologies
- Reported on the functionality of QGIS and its useful applications

RELEVANT PROJECTS

YHack, Yale University

Oct 31, 2014

"Persona"

- Developed an app to track a person's overall wellbeing. *Mongo DB, Express, Angular JS, Node.js*

Local Hack Day, University of Toronto

Dec 6, 2014

Personal Website, <http://levyharahacks.me>

- Designed a responsive online portfolio. *HTML, CSS, JavaScript, jQuery, Foundation, Bootstrap*

Side Project

Ongoing

Sports Database

- Created website to function as a database for all international sports leagues, implemented CRUD functionality. *ASP.Net MVC Framework, C#, Oracle DB*

LEADERSHIP POSITIONS

Current leadership positions: Engineering Ambassador, Engineering Society Class Representative

B'nai Brith Youth Organization (BBYO)

May 2010 – May 2013

Regional President

- BBYO is an international organization that encourages community service, social action and leadership amongst youth
- Raised over \$300 for cancer research through community events
- Created and executed leadership training sessions for over 35 executive members, focused on recreational programs, recruitment strategies, fundraising, and community service planning
- Chaired the first Tournament Convention, aggregating more than 100 youth from different chapters to compete in a weekend-long artistic, social and sports competition

Avenida Youth Magazine

Jul 2012 – Jul 2013

Writing Editor

- Avenida Latina is a new magazine in Toronto for Latin-American youth to immerse themselves in the Latin culture and have their voices heard in the community
- Edited and translated articles in English and Spanish, setting a standard of professionalism for future magazine editions
- Facilitated editorial meeting to make decisions about the magazine's principles and to ensure consistency between the principles and articles to be published
- Published articles on common issues such as teen depression and internet piracy, speaking to a large and diverse audience of Latin-American youth

AWARDS AND ACHIEVEMENTS

York University

Jun 2013

Spark Award, valued at \$2000

- Given to 3 individuals based on academic excellence, interest in research, and science involvement in high school

Professional Engineers of Ontario York Chapter

Aug 2013

PEO Scholarship valued at \$500

- Given to 8 individuals based on the passion demonstrated for the engineering profession and for involvement in extracurricular activities

Langstaff Secondary School Graduation

Jun 2013

Lieutenant Governor's Community Volunteer Award

- Awarded to one individual for 300 hours of community service hours within a variety of volunteer projects

INTERESTS AND ACTIVITIES

- Sports: Volleyball, soccer, swimming, and Insanity
- Volunteer: Toronto 2015 PanAm Games, fundraisers, walkathons, children with special needs
- Competitions: YHack, Queens Startup Summit, Waterloo Engineering Competition, Deloitte Business Accelerator Case Competition (1st place Winner)