

# Laura Dobson

---



## Management Engineer

E-Mail: [ldobson@uwaterloo.ca](mailto:ldobson@uwaterloo.ca) • Personal Website: [lauradobson.github.io](http://lauradobson.github.io)

2377 Rideau Drive • Oakville, Ontario, L6H 7J8 • Phone: 519-807-9747

## Technical Proficiencies

- Microsoft Office Suite (Word, Excel, PowerPoint, Visio)
- Object-Oriented Programming in C#, VBA, PHP, Python
- PL/SQL, MySQL, PostgreSQL
- Oracle Databases, SAP
- HTML, CSS, JavaScript
- GAMS, SolverStudio
- R Project for Statistical Computing, Minitab
- Visual Studio, JIRA, Git

## Experience

### Deloitte LLP

Business Technology Analyst

May – August 2016

Toronto, Ontario



- Achieved a University of Waterloo co-operative rating of **Outstanding**
- Successfully developed multiple data interfaces to transfer a client's data from a in-house Oracle ERP to a Cloud ERP
- Optimized the Extract, Transform, Load (ETL) process by analyzing and improving the run-time of the queries
- Ensured data integrity through thorough validation procedures that consisted of heavy exception and error handling

### Imperial Oil Limited

Pricing and Logistics Analyst

September – December 2015

Calgary, Alberta



- Achieved a University of Waterloo co-operative rating of **Outstanding**
- Developed a pricing model for marine fuel based upon a statistical analysis, eliminating the risk of financial loss
- Implemented process efficiency tools that reduced the risk of financial exposure across multiple business units
- Improved the efficiency of the current Cap & Trade pricing process in Quebec and Ontario

### Suncor Energy Inc.

Business Process Management

January – April 2015

Calgary, Alberta



- Achieved a University of Waterloo co-operative rating of **Outstanding**
- Managed an open-pit mine project with regards to technology through the main tasks of budgeting and scheduling
- Validated gathered data from stakeholders to the business by presenting the data to all levels of seniority
- Extensively utilized Excel by creating a model supported by a database to analyze the gathered data

### Indigo Books & Music Inc.

IT Specialist

May – August 2014

Toronto, Ontario



- Improved the efficiency and reduced the financial risk of the promotion process by developing stored procedures
- The first stored procedure detected potential problems with each promotion such as duplicate SKUs
- The second stored procedure caught and reported promotions that had yet to be made active in time for the start
  - Managed over 400 promotions through relational databases that were sent to multiple formats of stores

# Laura Dobson

---



## Management Engineer

E-Mail: [ldobson@uwaterloo.ca](mailto:ldobson@uwaterloo.ca) • Personal Website: [lauradobson.github.io](http://lauradobson.github.io)  
2377 Rideau Drive • Oakville, Ontario, L6H 7J8 • Phone: 519-807-9747

## Education

### University of Waterloo

September 2013 – Present

#### Candidate for Bachelor of Applied Sciences

#### Management Engineering - Cooperative Program

- **Term Dean's Honours List**
- Academically ranked within the **top 10 students** of the 2018 Management Engineering Class
- Completed 4 out of 8 academic terms
- Completed 4 out of 6 work terms; available for 4 months beginning January 2017

## Summary of Qualifications

- Intrinsically motivated and extremely curious, resulting in the willingness to take on initiatives that exceed expectations
- **Data driven** with strong analytical and problem solving skills to identify trends and draw valuable insights from large data sets
- Ability to simplify and optimize complex problems with the passion of using new technologies to continuously grow as developer
- Passionate about User Experience by developing solutions with high usability, consistency and learnability
- Strong communication and interpersonal skills, with the ability to turn data and insights into stories
- Proven ability to work well under pressure and prioritize multiple projects as a self-directed leader in order to meet deadlines
- Ability to maintain a very strong attention to detail while working in a fast-paced environment
- Very strong programming skills and a thorough understanding of algorithms and data structures

## Related Courses

- Data Structures and Algorithms
- Database Management
- Data Warehousing and Mining
- Human Computer Interaction
- Principles of Software Engineering
- Decision Support Systems

## Extracurricular Activities and Awards

### Institute of Industrial Engineers Canadian Student Conference

January 2016

#### Delegate

- Attended multiple workshops, competitions and keynote presentations that provided valuable insight on industrial engineering

### Best Database Reward

July 2015

#### Competitor

- Placed 2<sup>nd</sup> overall in a competition where I designed and implemented a PHP web application utilizing HTML, CSS and JavaScript supported by a database in SQL receiving a grade of 100%

### University of Waterloo Engineering Consulting Competition

June 2015

#### Competitor

- Placed 2<sup>nd</sup> in a case competition by creating a detailed solution explained through a report and presentation within a five hour time limit