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## Software

### *proficient*

VBA	Adobe Illustrator
C	Adobe InDesign
MS Word	Adobe Photoshop
MS Excel	Adobe Premiere Pro
MS PowerPoint	Adobe AfterEffects
MS Publisher	Adobe Flash
MS Visio	DrRacket

### *experienced*

Python	CSS
MATLAB	Autocad
SQL	Sketchup
HTML	MS Access



## Skills

Team work	Event planning
Multi-tasking	Research
Leadership	



## Interests

Travel	Jogging
Badminton	Tablet Drawing
Muay Thai	Photography

# JOANNA LIU



## Education

### Candidate for Bachelor of Applied Science in Chemical Engineering Minor in Computer Science

University of Waterloo, Waterloo, ON

Class Academic Representative

Sep 2014 – present

- Liaison between class and profs, scheduling exams and midterms, providing friendly and constructive feedback to professors, and organizing end of term parties

#### Relevant coursework:

- Elementary Algorithm Design (C programming), Designing Functional Systems (DrRacket), Intro to optimization, Numerical Methods Processes (Matlab), Strategies for Process Improvement/ Statistics
- Wet lab and report writing: Chemical Engineering labs



## Experience

### Business Analyst Assistant

May - Aug 2018

Toronto Transit Commission

- Analysis of subway transportation statistics using MS Excel
- Built and edited Excel macros
- Proof of concept using Python pandas library
- Edited tables, queries, and reports on MS Access
- Tested and compared incidents' data using MicroStrategy dashboard

### Value Engineering Assistant

May - Aug 2016

Ministry of Transportation

- Modified MS Excel and Access documents using VBA and SQL languages
- Coded in HTML and CSS to create online pages for the 2016 Value Engineering Conference
- Used MS Visio to create FAST diagrams for function analysis

### Web Graphics Designer

Sep - Dec 2015

TDSB EcoSchools. Toronto, ON

- Redesigned 100 files of the TDSB Design Guideline using MS Word
- Used MS Publisher to create workbook on participatory design process
- Used Illustrator to create vector art and sketches for print materials

### Engineering Society Media, Arts, PEO, Semiformal, & X-mas Parade Director

University of Waterloo, Waterloo, ON

2015 - present

- Shot and edited photos and videos
- Expanded arts activities through 5 additional term events
- Organized Spring semiformal by collaboration with Science faculty
- Liaised between Waterloo Engineering students and PEO

### Orientation Media, Social Media & Handbook Director

2015 – 2018

University of Waterloo, Waterloo, ON

- Created promotional videos for viewing
- Managed social media outlets (Facebook, Twitter, Instagram and Snapchat) to engage 1000 first year students using Hootsuite management dashboard
- Uploaded over 2000 photos to Flickr in one evening, with editing using Lightroom