

# FRANCESCA VUONG

3B Chemical Engineering Student

Phone: 647-973-8026 • Email: [f3vuong@uwaterloo.ca](mailto:f3vuong@uwaterloo.ca) • Website: [f3vuong.github.io](https://f3vuong.github.io)

## Education

### Candidate for Bachelor of Applied Science, Honours Chemical Engineering

Sept. 2017 — Present  
University of Waterloo

## Skills

MS Office  
AutoCAD Plant 3D  
SolidWorks  
MATLAB  
HTML & CSS  
SQL

## Hobbies

Travelling  
Cycling (PR: 202km)  
Bouldering (V3)  
Top Roping (5.10a)  
Puzzles & Challenges  
3D Printing (FDM)

## Other Work Experience

### Teaching Assistant

University of Waterloo  
Sept. 2020 — Dec. 2020

### Lifeguard/ Swim Instructor

City of Toronto  
Oct. 2015 — May. 2020

**Currently seeking a 4 month work term for Spring 2021**

## SUMMARY OF SKILLS

- Highly skilled with Microsoft Excel (VBA & pivot tables)
- Innovative with strong interpersonal skills and always looking to make valuable changes as demonstrated in multiple start-up projects
- Familiar with plant maintenance concepts
- Experienced with 3D modeling using SolidWorks
- Charismatic and always looking for leadership opportunities
- Exposure to HVAC equipment

## RELEVANT WORK EXPERIENCE

### Plant Maintenance Master Data Analyst

HubHead Corp.

Sept. 2019 — Dec. 2019

- Reviewed technical documents (P&IDs, engineering drawings, and equipment manuals) to analyze, organize and improve maintenance documentation and data
- Demonstrated understanding of plant maintenance concepts (asset hierarchy & classification, maintenance plans & strategies)
- Produced demos for new clients within a strict timeline and led project meetings to present products
- Assisted Shell with their integration process to SAP system by coordinating with subject matter experts and OEMs to determine and acquire appropriate maintenance information

### Engineering Assistant

HTS Engineering

Jan. 2019 — Apr. 2019

- Analyzed mechanical schematics and P&ID drawings to identify hydronics equipment such as pumps, boilers and heat exchangers to make appropriate selections in terms of sizing, flowrate and power
- Assisted with equipment selection using appropriate equipment sizing calculations and identification of appropriate materials
- Responded to clients regarding product information ranging from product specifications to installation requirements

## PROJECTS

### AnimoCo (E-commerce Shop)

Co-founder

Aug. 2020 — Present

- Successfully researched and used effective SEO tags for listings which increased in sales and store visits leading to an income of \$5000+
- Made appropriate calculations and effectively used SolidWorks to draft 3D drawings for custom products printed by a 3D printer

### The Transition Team

Founding Member & Social Media Director

Mar. 2020 — Present

- Consistently planning, researching, creating content and improving operation logistics to build a mentorship platform for new post secondary students

### Personal Website

Web Designer

Mar. 2020 — Present

- Developing and consistently improving personal website by self-learning HTML, CSS and JavaScript