

FRANCESCA VUONG

3rd Year Chemical Engineering Student

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Education

Candidate for Bachelor of Applied Science, Honours Chemical Engineering

Sept. 2017 — Present
University of Waterloo

Skills

MS Office
AutoCAD Plant 3D
MATLAB
HTML
CSS

Extracurriculars

Science Camp Director

Engineering Society
May 2019 — Aug. 2019

Semi-Formal Director

(Director of the Month)
Engineering Society
Sept. 2018 — Dec. 2018

President

Student Administrative Council
Sept. 2012 — Jun. 2016

Other Work Experience

Online Learning Assistant

University of Waterloo
May 2020 — Aug. 2020

Lifeguard/ Swim Instructor

City of Toronto
Oct. 2015 — May. 2020

Hobbies

Hiking & Outdoor Activities
Water Sports
Travelling
Bouldering
Reading
Puzzles & Challenges

Self-Development

Learning: SQL & C

SUMMARY OF SKILLS

- Fast and independent learning shown through self-taught experience with front-end web development
- Highly skilled with Microsoft Excel (VBA & pivot tables)
- Effective teamwork shown through working in multiple start-ups
- Familiar with plant maintenance concepts
- Exposure to HVAC equipment
- Experience with mold building through resin crafting using silicon molds
- 500+ hours of laboratory experience including battery lab

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
- 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

Entrepreneur in Training

Conrad School of Entrepreneurship & Business
May 2018 — Aug. 2018

- Actively took part in 3 early stage start-ups to complete objective-driven projects
- Took ownership of front-end web development projects using HTML & CSS to create and redesign elements.

PROJECTS

Crafting Molds

Nov. 2019 — Present

- Designed silicon molds and used resin to produce phone stands

Founding Member & Social Media Director

The Transition Team
Mar. 2020 — Present

- Developing a virtual service to connect post secondary students with mentors

Web Designer

Mar. 2020 — Present

- Developing and consistently improving personal website by self-learning HTML, CSS and JavaScript
- Currently improving interactive layer by implementing more JavaScript