



# Cheng Yen (Kevin) Yang

Chemical & Biological Engineering

## TECHNICAL SKILLS

### Computer

- Matlab
- Excel
- Aspen
- Python

### Chemical Equipment & Techniques

- Affinity Chromatography
- Sample Preparation
- Spectrophotometer
- Mass/Energy Balance

### Certificates & Skills

- BC Class 5 Driver's License
- Fluent in English & Mandarin

## ACADEMIC & CO-OP STATUS

### Academic Program

- Chemical & Biological Engineering; 5 of 8 academic terms completed
- Anticipated date of graduation: May, 2020

### Co-op Status

- Completed 1/5 work terms; available for 4 or 8 months beginning January, 2019

## TECHNICAL WORK EXPERIENCE

### ImmuneChem Pharmaceuticals Inc. (Burnaby, BC)

September, 2017 – December, 2017

#### Lab Technician & Bioreagent Marketing Personnel

- Perform affinity chromatography to make close to 60g of purified antibodies.
- Perform ELISA tests to determine protein concentration.
- Find over 2000 potential customers by literature search.
- Design newsletters on company products to send to potential customers.
- Set up Facebook page and inform consumers on research products.

## TECHNICAL PROJECTS

### Ammonia Production Aspen Project

February, 2018 – March, 2018

- Model the process of large scale ammonia production and Aspen.
- Perform purity and heat duty sensitivity analysis with the specification of a recycle stream.

### Vertical Farming Case Study

May, 2017 – August, 2017

- Determine the economic, social, and environmental viability of vertical farming as a sustainable replacement for traditional agriculture.

### Water Filtration System Project

October, 2015 – November, 2015

- Design a water collection and filtration system and use Microsoft Excel to simulate the results to achieve a high satisfaction rate.

## OTHER WORK EXPERIENCE

### Michael J Fox Theater (Burnaby, BC)

December, 2013 – June, 2017

#### Usher

- Greet and escort up to 600 patrons to their correct seats within 30 minutes.
- Watch all patrons closely to ensure safety and prevent photography if requested by client.

#### Concession

- Sell snacks efficiently during short 10-15 minute intermissions.
- Work quickly and accurately to process transactions mentally.

## EDUCATION

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**University of British Columbia**  
*Chemical & Biological Engineering*

September 2015 – Present

**Burnaby South Secondary School**  
*High School Diploma*

September, 2010 – June, 2015

## AWARDS

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**UBC Chancellor's Scholar Award**  
**High School Honor Roll**  
**Certification in Standard First Aid**

2015  
2015  
2015

## ACTIVITIES AND INTERESTS

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### **Working Out**

- Dedication to improvement
- Self-motivation

### **Dance**

- Creative thinking
- Self-expression

### **Basketball**

- Focused teamplay with individual skillsets
- Strategic thinking