



# Cheng Yen (Kevin) Yang

Chemical & Biological Engineering

## TECHNICAL SKILLS

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### Computer

- MATLAB
- Excel
- Aspen
- Python
- Web Development

### 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

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### 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

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

September, 2017 – December, 2017

#### *Lab Technician & Bioreagent Marketing Personnel*

- Performed affinity chromatography to produce purified antibodies.
- Performed ELISA tests to determine protein concentrations.
- Translated documents between English and Mandarin.
- Designed newsletters on company products to send to potential customers.
- Used Facebook Ads to increase views by 300%.

## TECHNICAL PROJECTS

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### Personal Website ([kevinyang.org](http://kevinyang.org))

June, 2018 – Present

- Self-learned basic HTML, CSS, and JavaScript.
- Created a website which introduces myself and describes career goals.
- Added page breakpoints to make website mobile-friendly.

### Ammonia Production Aspen Project

February, 2018 – March, 2018

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

### Vertical Farming Sustainability Case Study

May, 2017 – August, 2017

- Self-studied the topic of vertical farming.
- Determined the economic, social, and environmental viability of vertical farming as a sustainable replacement for traditional agriculture.

### Water Filtration System Project

October, 2015 – November, 2015

- Designed a water collection and filtration system using given components.
- Used Microsoft Excel to simulate the system and achieve a 92% satisfaction rate.

## OTHER WORK EXPERIENCE

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

December, 2013 – June, 2017

#### *Usher*

- Greeted and escorted up to 600 patrons to their correct seats within 30 minutes.
- Supervised patrons to ensure safety and prevent photography.

#### *Concession*

- Sold snacks during 10-15 minute intermissions.
- Performed inventory check on hundreds of sold items at the end of the night.

## EDUCATION

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### University of British Columbia

September, 2015 – May, 2020

#### *Chemical & Biological Engineering*

### Burnaby South Secondary School

September, 2010 – June, 2015

#### *High School Diploma*

## AWARDS

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### UBC Chancellor's Scholar Award

2015

### High School Honor Roll

2015

### Certification in Standard First Aid

2015

## ACTIVITIES AND INTERESTS

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### Working Out

- Dedication to improvement
- Self-motivation

### Dance

- Creative thinking
- Self-expression

### Basketball

- Strategic thinking
- Focused teamplay with individual skillsets