

## Education

Cornell University, School of Engineering

Expected to graduate May 2022

B.S. Chemical Engineering; GPA: 3.75 (Dean's List – Three Semesters)

- Relevant Courses: Physiochemical and Biological Aspects of Foods, Object-Oriented Programming and Data Structures

## Work Experience

### Outhrive

Jun. 2020 – Sept. 2020

Web Design and Financial Consultant

- **Redesigned** website using Figma to improve user experience with modern features, **increasing traffic** by 53%.
- Crafted Excel **financial model** to calculate 4-month projection of sales and traffic Prizm Nail's new eCommerce platform.
- Implemented 4 **marketing strategies** in a group of 3 to increase traffic.

### Western University School of Pharmaceutical Sciences

Jun. 2019 – Aug. 2019

Research Intern

- Performed three Type 4 dissolutions with suspensions and powders; analyzed solubility from analyzing graph from **HPLC**.
- Characterized liposome particle size, zeta potential, entrapment efficiency; adjusted viscosity according to polydispersity.
- Developed **formulations** and analyzed liposomes under LEICA microscope.
- Conducted research with four PhD researchers developing formulations for liposome **drug delivery system**.

### Private Tutor

Mar. 2020 – Present

Independent Work

- Taught Chemistry, Math, and English to 9 students ranging from age 5 to age 16.
- Learned each student's learning style to help them **increase test scores** by approximately 15%.

### Ding Tea

May. 2019 – Aug. 2020

Barista and Cashier

- Provided excellent **customer service** and served over 100 quality drinks, which increased popularity of the new store.
- Developed **strong work ethic** by being punctual, respecting customers and peers, and cooperating with coworkers.

## Extracurricular Activities

### Cornell University Biomedical Device – Project Team

Mar. 2019 – Present

Product Development Member

- **Designed**, built, and tested FastenPro, a less abrasive replacement to surgical screws that leads to less muscle inflammation.
- Designed and tested Brux-Free, an over-the-ear Bluetooth device that used negative feedback to address awake bruxism.
- Collaborate with peers to brainstorm new ideas, **CAD** product design ideas, and develop **critical thinking**.
- Speak to over fifty underclassmen about our previous project.
- Design **flyers** for project team recruitment and manage social media platforms with updates on our newest project.

### Cornell ChemE Car – Project Team

Oct. 2019 – Present

Battery Alpha Member

- Investigate **zinc chloride battery** and run calibration tests to **optimize** speed and consistency to prepare for 2020 regionals.
- Work in a team of 5 and discuss **troubleshooting** solutions to efficiently improve electrolyte battery composition.
- Dedicate 3 extra hours in lab to **increase efficiency** by 25%.
- **Research** new battery ideas and **present** to Battery Sub-team and entire ChemE Car team.

### American Institute of Chemical Engineers (AIChE)

Oct. 2019 – Present

Sophomore and Junior Representative

- **Collaborate** with other AIChE representatives to organize professional and social events for Chemical Engineering students.

## Recognition

### Carnegie Hall Performer

- Internationally awarded pianist: Received 3rd place in American Protégé **International Competition** of Romantic Music.

## Projects

### Video Game (Python)

- **Coded** and **designed** an object-oriented space invaders video game.
- Added several unique extensions to improve **user experience**, such as a lives system, protection barrier, and new icons.

## Skills

Python

Mathematica

Figma

Excel

HTML/CSS

iMovie

CAD

Canva

macOS