

Patrick Chen

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## EDUCATION

**Cornell University**, Ithaca, NY

**August 2020–Present**

Major: Computer Science; Minor: Business

Coursework: Introduction to Chemical Engineering, Calculus for Engineers, Engineering General Chemistry, Intro to Computing Using Python, Multivariable Calculus for Engineers, Physics I: Mechanics and Heat

GPA: 3.70

## WORK EXPERIENCE

**Trident Recreation:** Nassau County, NY, *Lifeguard*

**June 2018–September 2018**

- Certified Red Cross Lifeguard
- Worked as both a lifeguard and a pool maintenance worker.

## ACTIVITIES AND VOLUNTEER

**Architecture, Construction, and Engineering**

**Mentor Program (ACE):** *Student*

**September 2017–June 2018**

- Worked with civil/electrical engineers and architects to plan and design a new building structure.

**Syosset & Long Island Chinese-American Association**

**(CAAS & LICAA):** *Volunteer*

**September 2016–September 2020**

- Organized and ran events to promote Chinese culture and holidays on Long Island, including large events such as the Autumn Festival or Lunar New Year

**Syosset High School Swim:** Syosset, NY, *Assistant Teacher*

**November 2018–September 2019**

- Gave demonstrations and taught students in elementary school swimming skills

**Cornell Photo Society:** Ithaca, NY, *Member*

**September 2020– Present**

- Attending monthly workshops to learn various techniques and disciplines of photography.

**Cornell Computer Reuse Association:** Ithaca, NY, *Member*

**February 2021–Present**

- Repurpose computer parts to donate to humanitarian organizations in developing countries

**Cornell University ChemE Car Electronics Subteam:** Ithaca, NY, *Member*

**March 2021–Present**

- Helped build custom circuits that would start/cut off based off of chemical reactions to help power a car for competition

## ACHIEVEMENTS

**The American Mathematics Competition 10 (AMC 10)**

**June 2018**

- Top 5% of scores nationwide that covers mathematics in the high school curriculum

**2021 AIChE ChemE Car Northeast Regional Champions**

**May 2021**

- Helped build the circuit that Cornell ChemE Car used to win first place in the Northeast Regional competition

## Relevant Information

**Current Coursework**

· Discrete Structures, Object Oriented Programming and Data Structures, Digital Logic and Computer Organization, Linear Algebra for Engineers, Physics II: Electromagnetism

**AP Credits**

· AP Chemistry(5), AP Physics I(5), AP US History(5), AP Microeconomics(5), AP Language(5)

**Syosset High School**

· GPA: 97.0

· SAT: 1530

· SAT II Math II: 800

· SAT II Chemistry: 750