

# DAVID ZHENG

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## EDUCATION

### *Bachelor of Science in Electrical Engineering*

Cumulative GPA: 4.0

**Drexel University – Philadelphia, PA**

ANTICIPATED GRADUATION: JUNE 2025

## SKILLS

**Software:** Google Drive, Microsoft Office, NI Multisim, Microsoft Visual Studio Code

**Hardware:** LEGO Mindstorms NXT

**Industry:** Soldering, Breadboarding

**Computer Language:** Python

## PROJECT EXPERIENCE

### *Electrical Engineer* | **Autonomous House Plant Watering System – Drexel University, PA**

MARCH 2021 – PRESENT

- Programming Adafruit Feather M4 Microcontroller, servo motor, sensors, and LEDs on a breadboard
- Facilitating all team meetings; collaborating in a team of 3 to complete project proposal and presentation
- Developing an autonomous watering algorithm in Python using Mu Editor

## WORK EXPERIENCE

### *Library Aide* | **Queens Library – Queens Village, NY**

FEBRUARY 2017 – FEBRUARY 2020

- Monitored and controlled items in circulation using Library Management Systems
- Interacted and assisted patrons with their specific needs
- Trained 2 new volunteers to operate the library's organizational systems
- Led team of 3 volunteers to create crafts for Children's Librarian
- Cataloged CDs, DVDs, and books; volunteered for 200 hours

### *Computer Technician Assistant* | **HS for Math Science & Engineering – New York, NY**

JULY 2019 – AUGUST 2019

- Handled and transported sensitive equipment throughout the school building
- Organized laptop carts and other electronics in classrooms with a group of 4 students
- Learned to reformat MacBooks and set up laptops and desktops for next school year

### *Office Assistant* | **MS 158 Marie Curie – Bayside, NY**

JULY 2017 – AUGUST 2017

- Administered the arrival of late students and early pickups from parents and guardians
- Escorted students to their classrooms and lunchrooms to ensure their safety
- Prepared classrooms by turning on lights and air conditioners before class began

## HONORS & AWARDS

Dean's List Distinction, Drexel University

FALL 2020, WINTER 2021

Leon Podolsky Scholarship Fund, Leon Podolsky

SEPTEMBER 2020 – JUNE 2021

AP Scholar with Honor Award, College Board

JULY 2020

## ACTIVITIES

Member, Institute of Electrical and Electronics Engineers

SEPTEMBER 2020 – PRESENT

- **Robotics Programmer**, Robotics Committee – SumoBots

JANUARY 2021 – MARCH 2021

Member, Society of Asian Scientists and Engineers

SEPTEMBER 2020 – PRESENT

Varsity Indoor Track Competitor, HS for Math Science & Engineering

NOVEMBER 2018 – FEBRUARY 2020

Pianist, Muspire Music School

AUGUST 2011 – JULY 2018