

# Calvin Zheng

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[GitHub](#) | [Devpost](#) | [LinkedIn](#) | [Personal Website](#)

## EDUCATION

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### Iroquois Ridge High School

Oakville, ON

Sep 2017 – Present

- Relevant coursework: Neural Networks and Deep Learning (99%), Python Basics (100%), Randomized Algorithms, AP Psychology, AP Microeconomics
- Activities and Societies: Debate, Model UN, DECA, Student Council, Student Voice, Ontario Student Leadership Conference, Interac, Arts Council

## EXTRACURRICULAR EXPERIENCE

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### DECA Ontario

Toronto, ON

Sep 2017 - Present

- Competed at the provincial level from 2017-2020, implementing business and marketing skills such as promotions, customer service, and economics into real-life cases, placing 1<sup>st</sup> out of 400 teams in 2020

### Iroquois Ridge DECA – Student mentor

Oakville, ON

Dec 2020 – Present

- Individually mentored students to teach them the fundamentals of DECA, as well as different business topics and strategies and how to implement them.

## PROGRAMMING EXPERIENCE

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**[HEN Pop-Ups Clean Ups Automated Volunteer Hours System](#)** (Mar 2021): Collaborating with Litterati and Dillon's Consulting, I was contracted by the Halton Environmental Network to develop a system that would automate the collection and distribution of volunteer hours using a **Google Sheets database** that is integrated with **Python** to collect data as well as automatically send emails with the volunteer hour information.

**[Floppa Finance](#)** (Jan 2021): A project developed for the TU20 Cup Competition; Floppa Finance is a web-based application designed to help educate youth about finance. Floppa Finance utilizes a **Python backend** with a **HTML/CSS frontend** and uses the **Flask Python package** to integrate them together.

**[Video Notes](#)** (Jan 2021): Video Notes is a Google Chrome extension that allows users to create real-time annotations and take notes from Chrome created for the Hack The North Hackathon. Developed with a **React** backend, and **HTML/CSS** frontend, my team is very proud of this project that was developed in only 36 hours.

**[Pnuts Discord Bot](#)** (Sep 2020): Developed from scratch, pnuts is a discord bot created for personal use, developed with the API wrapper **discord.py**. It has functions such as: telling you the weather or time, mentioning certain members, computing arithmetic, retrieving random photos, and much more.

**[AI Text Generator](#)** (Aug 2019): A machine learning text generator built for OakHacks using **IPython** on **Jupyter Notebook**, which works by slicing text into 'seeds', calculating the probability that a character follows another character, generating text based off this probability.

## SKILL HIGHLIGHTS

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- Programming Languages: Advanced knowledge of: Python, HTML, CSS, JavaScript, Intermediate knowledge of: Java, Swift, Ruby, C++
- Competitions: Won 1<sup>st</sup> place (Tech Under 20 2020), participated in 3 hackathons (2019-2020), placed top 25% in Waterloo's Galois and Senior Math Competitions (CEMC 2019, CSMC 2020), won 1<sup>st</sup> place in the hospitality sector (DECA 2020)

## WORK AND VOLUNTEER EXPERIENCE

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- Real Canadian Superstore, Oakville | Aquaculture Clerk Sep 2018 – Jan 2020
- Chito Ryu Karate Club, Burlington | Volunteer Instructor Jan 2018 – Present