

# Vincent Yee

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## Skills

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**Languages** Python, Ruby, JavaScript, SQL, HTML, CSS, SASS, Racket  
**Frameworks/Other** Ruby on Rails, Git, SQL, Bash, VS Code, Linux (Ubuntu), Vim

## Projects

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### Etch-a-Sketch [↗](#) | HTML, CSS, JS

- Created a browser version of a sketchboard using **HTML/CSS** and **Javascript**.
- Utilized **Javascript** and **DOM manipulation** to dynamically create a canvas grid and toggle CSS classes of each of the "pixels" to create the drawing experience.

### Discord Timer Bot [↗](#) | Ruby, SQLite3, Google Cloud Platform

- A Discord bot coded in **Ruby** and utilizing the **discordrb API library** to create server timers.
- Users could set individual timers which would be saved to an **SQLite3** database. Timers would display as locked voice channels and update periodically. Was hosted through **Google Cloud Platform's** VM instances.

### Personal Site/Blog [↗](#) | Ruby, Ruby on Rails, HTML/SASS, DigitalOcean

- A **Ruby on Rails** dynamic site which allows Administrators to create blog posts and Users to comment on posts.
- User creation and authentication is handled with the **Devise gem** and Posts/Comments are handled with their own **Models, Views and Controllers** to allow for **CRUD** actions. Used partials to adhere to **DRY** principles. Hosted on **DigitalOcean**.

## Experience

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### MEG Energy Corp.

SUMMER INTERN

Calgary, AB

July 2021 - August 2021

- Manipulated two, 6-month periods of oil sands well data using **Python** and the **numpy** library.
- The injection well data was used to generate a model to predict rate of flow into the well and possibly remove the need for costly installation and maintenance of wellhead measuring devices.

### Heritage Park

STEM YOUTH CAMP VOLUNTEER

Calgary, AB

June 2018 - July 2020

- Volunteered at Heritage Park, Canada's second largest living history museum, in their youth STEM camp; revolving around inventions and technologies prevalent during the settlement of Western Canada.
- Helped set up activities, managed scheduling and supervised around 100 youth with other volunteers/employees during the summer. With other miscellaneous volunteering throughout the year.

## Achievements

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- **Advanced Placement Scholar with Distinction** - Achieved a 5/5 in the following AP exams: Calculus AB, Biology, Chemistry, Physics 1, Physics 2.
- **SAT (2020)** - Achieved 1560/1600 score. (99th Percentile).
- **Waterloo Math Competitions** - Euclid (School Champion/Certificate of Distinction). Canadian Senior Math Competition (School Champion/Certificate of Distinction).
- **UWaterloo President's Scholarship of Distinction, Alexander Rutherford Scholarship.**

## Education

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### University of Waterloo

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE, COOPERATIVE PROGRAM

Waterloo, ON

2021 - 2026

- GPA: 3.98 (94.4%)
- **Relevant Course(s)**: Functional Programming (Adv) (96%), Algebra (95%), Calculus (97%)