

# CALVIN ZHENG

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

## EDUCATION:

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**Queen's University** - Computer Science

Kingston, ON

Sep 2021 – Present

- Candidate for Bachelor of Computing (Honours) – Specialization in Artificial Intelligence

## WORK EXPERIENCE:

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**TD Bank - Software Engineer Intern**

Toronto, ON

June 2022 - Aug 2022

- Wrote and automated the execution scripts of 250+ test cases for a client-facing web application using Java, Selenium, SQL, Cucumber and Maven. Participated in an Agile environment with a team of 5 others and utilized technology such as BitBucket and JIRA to maintain quality and coding standards.

**Royal Bank of Canada - Software Developer Intern**

Toronto, ON

July 2021 - Sep 2021

- Led a team of 4 with to develop a web application engineered using Angular and Typescript to make presentations more engaging through incentivizing audience interaction through polls and Q&A's. Utilized Agile methodology and technology such as Figma and GitHub to plan and maintain organization, quality and coding standards.

**Halton Environmental Network - Software Developer**

Toronto, ON

Jan 2021 - Sep 2021

- Led a team of 3 to develop and maintain an automated email notification and data tabulation/verification system to keep track of volunteer activities using Python, Selenium, Google Sheets, and Heroku.

## PROGRAMMING PROJECTS

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**smART (Sep 2021):** Developed for Hack the North 2021, smART is an art recommendation web app that uses the InceptionV3 CNN Model to output visually similar images compared to a user inputted image. Developed using Python, Flask, TensorFlow, and AWS EC2, this was a challenging but rewarding project to develop in 48 hours.

**AskRBC (Jul 2021):** Over 2 months, I collaborated with 15 other innovation developers at RBC to create AskRBC; a secure, internal, web-based application built in Angular, TypeScript, and HTML/CSS that integrates polls, questions, and more into a cohesive application that will be used extensively in future RBC presentations.

**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.

## SKILL HIGHLIGHTS:

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- Programming Languages: Advanced knowledge of: Python, HTML, CSS, JavaScript, Intermediate knowledge of: Java, Swift, Ruby, C++
- Competitions: Won 1st place (Tech Under 20 2020), participated in 4 hackathons (2019-2021), placed top 25% in Waterloo's Galois and Senior Math Competitions (CEMC 2019, CSMC 2020), won 1st place in the hospitality sector (DECA 2020), won 1st place in McMaster "The Pilot" Engineering design challenge

## EXTRACURRICULAR ACTIVITIES

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• DECA Ontario, Toronto | Student Mentor

Sep 2020 - Apr 2021

• Chito Ryu Karate Club, Burlington | Volunteer Instructor

Jan 2019 - Jan 2020