

Dylan Cheng

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EDUCATION

University of Toronto

Bachelor of Applied Science in Electrical Engineering + PEY Co-op

September 2020 – Present

Toronto, ON

EXPERIENCE

Coding and Robotics Instructor

Wize Computing Academy

July 2021 - September 2021

Vancouver, BC

- Taught classes in robotics and coding to over 20 students in a wide age-range to promote early interest in the STEM field
- Engaged students in critical thinking and computer science concepts, which they learned to implement in basic programming languages and hardware

Revisions Coordinator

Engineering Strategies & Practice II

January 2021 - April 2021

Toronto, ON

- Reported to a real client based in Etobicoke, ON
- Developed a blueprint for the client's upper floor as part of a six-person team
- Drafted weekly task schedules using **Gantt chart** software

PROJECTS

Yuki Weather App | [Website](#) | [Github](#) | *OpenWeatherAPI, Python, Flask, HTML, CSS, Bootstrap* August 2021

- Developed a full-stack weather app serving a **REST API** that generates a 10-day weather forecast
- Implemented the functionality of determining the weather of any requested location using OpenWeatherAPI
- Designed website layout using Figma and implemented responsive product pages, then deployed on Heroku

RESTful Recipe API | [Github](#) | *Flask, Python, HTML, SQLite, SQLAlchemy, pandas* August 2021

- Created a **REST API** that fetches recipes from a database of over 230,000 recipes
- Generated a database by parsing a CSV data set using pandas and structuring a database using SQLAlchemy
- Implemented random and id-specific requests to access and modify the database using RESTful routing
- Tested API endpoints using **Postman**

Zen-Mo | [Github](#) | [Devpost](#) | *React, ReactRouter, Auth0, HTML, CSS, Bootstrap* November 2021

- Developed a full task-based productivity app with a timing function and with Auth0 authorization
- Led a team of 4: organized the project on Git and submitted to DevPost for the NewHacks 2021 Hackathon
- Developed the functionality and design of each page using React, CSS, Bootstrap as the front-end, and ReactRouter as the back-end

Flask Blog | *Flask, Python, HTML, CSS, Bootstrap, SQLite, WTForms* July 2021

- Completed a blog that uses a **REST API** with database interaction
- Established a **relational database** to store user info including posts, comments, user info, and salted and hashed passwords

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS, JavaScript, MATLAB

Technologies: React.js, Flask, Bootstrap, Express.js, Firebase

Developer Tools: Git, Visual Studio, PyCharm

Libraries: pandas, Selenium