Dylan Cheng

604-362-6317 | dylan.cheng@mail.utoronto.ca | dylancheng.me | linkedin.com/in/dylnchng | github.com/dylnchng

EDUCATION

University of Toronto   September 2020 – Present
Bachelor of Applied Science in Electrical and Computer Engineering + PEY Co-op   *Toronto, ON*

EXPERIENCE

Software Engineering Intern   May 2022 - Present
Bloom   *New York, New York*
- Developed internal tooling using **Node.js** to provide metrics for performance, demographic, and revenue for each client
- Implemented additional functionality of algorithm group selection in customer-facing dashboard using React
- Integrated company software solution in client websites with JavaScript to produce a **25% increase** on mobile sales

Coding and Robotics Instructor   July 2021 - September 2021
Wize Computing Academy   *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

Private Programming Tutor   July 2021 - September 2021
Privately Employed   *Vancouver, BC*
- Developed weekly lesson plans and held private lessons for a high school programming student
- Taught the basics of control flow, data structures, and object-oriented programming in Java

Revisions Coordinator   January 2021 - April 2021
Engineering Strategies & Practice II   *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

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS, JavaScript, MATLAB, Verilog, ARM Assembly
Technologies: React.js, Flask, Bootstrap, Express.js, Firebase, Multisim
Developer Tools: Git, Visual Studio, PyCharm
Libraries: pandas, Selenium, Tkinter