Leon Dong

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EDUCATION

University of Waterloo, GPA: 3.94/4.0 Sept. 2020 – Present
Bachelor of Computer Science, President's Scholarship of Distinction *Waterloo, ON*
CS145 (Designing Functional Programs Advanced Level): **92%**, Math135 (Algebra): **93%**, Math137 (Calculus 1): **91%**

TECHNICAL SKILLS

Languages: Python, Racket, Java, C/C++, JavaScript, HTML, CSS, SQL, SQLite, R (Intermediate)
Frameworks and Platforms: Git, NumPy, Flask, React, Node.js, Firebase, TensorFlow/Keras (Intermediate)

PROJECTS

Pickstop | *HTML/CSS, Javascript, React.js* January 2021
- Created a Chrome extension and published it to the Chrome Web Store
- Built the application with HTML/CSS and React.js, and implemented with the Yelp API

Money Machine | *Python, HTML/CSS, Javascript, Flask, Keras, Firebase* September 2019
- Worked on Flask, the Firebase API, and the Goldman Sachs Marquee API
- Using the data provided by the Goldman Sachs Marquee API, I trained a simple Keras model

ProjectErie | *Python, HTML/CSS, Javascript, Flask* March 2019
- Developed the front end of the application using HTML/CSS
- Set up the Google Maps API and the Twilio API using the Flask framework

Medi-sync | *HTML/CSS, Javascript, Node.js, Firebase* November 2018
- Made the front end using HTML/CSS and Javascript. Connected the front end and the back end
- Implemented the Firebase API as a database for user profiles

AWARDS

Hackathon Accolades
- Best use of HERE.com – ARK | MHacks 11 – **339** Participants
- Best Health Hack – Medi-sync | Electric City Hacks 2018 – **90** Participants
- Great Lakes Category Prize – ProjectErie | MasseyHacks V – **110** Participants

Competitive Programming Achievements
- Certificate of Distinction and Honor Roll (**97th** percentile) | Canadian Computing Competition
- Specialist Rating on Codeforces (**85th** percentile) | Codeforces

Various Math Competition Awards
- Honor Roll (**90th** percentile) | Pascal, Fermat, Galois, and Hypatia University of Waterloo competitions
- Certificate of Distinction (**75th** percentile) | Fryer, Cayley, and Euclid University of Waterloo competitions

EXPERIENCE

Swim Instructor Sept 2019 – March 2020
Making Waves Swimming School *Vaughan, ON*
- Taught children important lifesaving skills such as swimming and self-rescue techniques with a 90% passing rate
- Employed communication skills to both communicate with students, parents, and instructors/assistant instructors

Competitive Programming Club Executive Feb. 2019 – June 2020
Bayview Secondary School *Richmond Hill, ON*
- Planned weekly lessons, prepared visual aids, created problem sets, and set problems for club competitions
- Collaborated and communicated frequently with a team of executives to manage the club and plan lessons

PERSONAL INTERESTS

- Competitive programming; designing algorithms to solve problems through online judges, also looking into CTF (peaked 4th in Canada during picoCTF, a CTF competition held by Carnegie Mellon University).
- Snowboarder since the fifth grade; learning the terrain park and aspiring to ride down double-black at Whistler.
- Passionate in music; graduated RCM level 10 piano honors with distinction, and played the clarinet in the school band. Currently self-learning the guitar.