

Yuzhi Tang

yuzhi.tang@mail.utoronto.ca | 778.798.8289

EXPERIENCE

HAVELAAR CANADA INDUSTRIAL R & D LABORATORY |

SOFTWARE INTERN

Aug 2020 – Sep 2020 | Toronto, ON

- Software development with WiFi communication for wireless EV charging system.
- Discovered and reported a key limitation of the existing choice of hardware.
- Used API to program firmware in C++ for WiFi modules to conduct different tests.
- Designed and carried out testing procedures for assessing hardware capability.

GAME OF APPS | SUMMER INTERN APP DEVELOPER

Jun 2019 – Aug 2019 | Richmond, BC

- Worked in a team environment to develop features for the Game of Apps app.
- Implemented design prototypes to Xcode using Swift following the Model View Controller design pattern.
- Improved existing code logic and data structure by the object-oriented programming design.
- Used Git for version control and to rebase branches for managing merge conflicts.

PROJECTS

ENGLISH GRAMMAR CHECKER | GITHUB

- Developed a Python program that returns feedback on the grammatical correctness of an English sentence.
- Utilized recursive tree data type and constituency parsing NLP technique.

EXPLORATORY STATISTICAL ANALYSIS ON ROYAL CANADIAN YACHT CLUB DATASET | GITHUB

- Performed data wrangling on raw dataset.
- Utilized randomization test, classification tree, and linear regression to answer research questions.

SHARKCONNECT | BITBUCKET

- Developed the iOS app Sharkconnect using Swift 4 and Xcode; developed backend database using Firebase.
- Sharkconnect served as a centralized platform for schools where relevant content can be accessed by the student body.

OUR SPECIAL NAME

- Frontend website developer for the naming website ourspecialname.com.
- Integrated data flow from backend PHP server; debugged API request issues.

EDUCATION

UNIVERSITY OF TORONTO

HONOURS BACHELOR OF SCIENCE
SPECIALIST IN COMPUTER SCIENCE
AND MAJOR IN COGNITIVE SCIENCE
Expected April 2024
Cum. GPA: 4.0 / 4.0

COURSEWORK

Foundations of Computer Science I & II
Introduction to the Theory of Computation
Computer Organization
Introduction to Statistical Reasoning and Data Science

SKILLS

PROGRAMMING

Proficient in: Python • Swift • R
Have experience with: C++ • HTML/CSS
• Javascript

TOOLS

• Git/Github • RStudio • Firebase •
Xcode • CocoaPods • PyCharm

SOFT

• Fluent in English and Mandarin •
Teamwork • Quick Learner

AWARDS

- BC Achievement scholarship (2020)
- Universal Buddhist Temple Award For Community Services (2020)
- BC School Badminton Championships 2nd Place (2019)
- Game of Apps Season 1 Winner (Regional) (2017):
Working in a team, designed and developed the prototype iOS app Sharkconnect that won the Best Overall App Award.

LINKS

Github:
<https://github.com/paulslss300>
Bitbucket:
<https://bitbucket.org/paulyuzh>