





Dongchen(Toby) Tang

2B Computer Science Student at University of Waterloo

 d39tang@uwaterloo.ca
 <https://github.com/TobyTDC>

 tobytang.me
 647-836-3214

Skills

Application Development - Swift4, C/C++, Scheme, SQL, Java, Objective-C

Web Development - HTML/CSS, JavaScript, jQuery, JSON, Bootstrap

Tools - Xcode, GitHub, PLSQL, HP ALM, Bash, Sublime, Notepad++

Projects

- | | |
|----------|---|
| Dec 2017 | Restaurant Review App
<u>iOS Development</u> <ul style="list-style-type: none">Built a restaurant review app on iOS with Yelp API that shows the users the restaurants around themIncreased the security when using online data by requesting JSON data from the API server with Client Credentials Grant, OAuth2.0Improved user experience and interactivity by using UIKit, MapKit and Table View to represent dataIncreased the overall readability of the code by strictly following MVC design pattern |
| Nov 2017 | Personal Website
<u>Web Development</u> <ul style="list-style-type: none">Used HTML/CSS, Bootstrap and W3.CSS for the front-end of the websiteImproved interactivity by plugging in JavaScript, jQuery and open source libraries to the website |
| Nov 2017 | iTunes Client
<u>iOS Development</u> <ul style="list-style-type: none">Built an app that simulates the behavior of the iTunes Client by requesting JSON data from iTunes APIImproved data security by encoding reserved characters in the URL |
| Oct 2017 | Stormy
<u>iOS Development</u> <ul style="list-style-type: none">Built an weather app that updates weather information from Dark Sky API every 15 minutesReduced object rendering time by implementing data caching |
| Sep 2017 | Interactive Story
<u>iOS Development</u> <ul style="list-style-type: none">Built an app with multiple views by using Navigation Controller and SeguesIncreased interactivity by adding sound effect and custom naming field |

Employment

- | | |
|---------------------|--|
| Sep 2017 - Dec 2017 | Ontario Ministry of Education
<i>Quality Assurance Assistant</i> <ul style="list-style-type: none">Assured the quality of the college and universities enrollment system by executing monthly regression testsImproved the running time of regression tests by 5% by querying the test cases from database and modifying themTechnologies used: HP ALM, PLSQL, HP UFT, SQL |
|---------------------|--|

Awards

- | | |
|----------|--|
| May 2016 | Top 1% of Euclid Mathematics Contest - University of Waterloo |
| Jun 2016 | Top 9% of SIN Physics Contest - University of Waterloo |
| Mar 2017 | Top 5 best teams in Waterloo Equithon 2017 - University of Waterloo |

Education

- | | |
|--------------------|--|
| Sep 2016 - present | University of Waterloo
2B Honors Computer Science Co-operative, CAV 87%, expected 2021 |
|--------------------|--|