

Dongchen(Toby) Tang

2B Computer Science Student at University of Waterloo

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 647-836-3214

Skills

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

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

Tools - Xcode, GitHub, PLSQL, HP ALM, Bash, Sublime, Oracle 12c

Projects

- Dec 2017

Restaurant Review App

iOS Development

 - Built a restaurant review app on iOS with Yelp API that shows the users the restaurants around them
 - Increased the security when using online data by requesting JSON data from the API server with Client Credentials Grant, OAuth2.0
 - Improved user experience and interactivity by using UIKit, MapKit and Table View to represent data
 - Increased the overall readability of the code by strictly following MVC design pattern
- Nov 2017

Personal Website

Web Development

 - Used HTML/CSS, Bootstrap and W3.CSS for the front-end of the website
 - Improved interactivity by plugging in JavaScript, jQuery and open source libraries to the website
- Nov 2017

iTunes Client

iOS Development

 - Built an app that simulates the behavior of the iTunes Client by requesting JSON data from iTunes API
 - Improved data security by encoding reserved characters in the URL
- Oct 2017

Stormy

iOS Development

 - Built an weather app that updates weather information from Dark Sky API every 15 minutes
 - Reduced object rendering time by implementing data caching
- Sep 2017

Interactive Story

iOS Development

 - Built an app with multiple views by using Navigation Controller and Segues
 - Increased interactivity by adding sound effect and custom naming field

Employment

- Sep 2017 - Dec 2017

Ontario Ministry of Education

Quality Assurance Assistant

 - Assured the quality of the college and universities enrollment system by executing monthly regression tests
 - Improved the running time of regression tests by 5% by querying the test cases from database and modifying them
 - Technologies 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, expected 2021

CAV 87%