

Zhidong(David) Zhang

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EDUCATION

University of Waterloo
BASc, 1B Electrical Engineering
Expected 2020 | Waterloo, ON
Student ID#: **20619543**

APTECH
Web Development Certificate
Feb – Mar 2015 | Online

SKILLS

Programming :

- Java, C/C++, Python

Web :

- HTML5, CSS3
- JavaScript: JQuery, NodeJS
- Client Side MVC framework: AngularJS
- JSON, Restful API, HTTP, AJAX
- Mean Web Development(MongoDB, Express, AngularJS, Node.js)

Database :

- SQL, MongoDB, FireBase

Version Control :

- Git, SVN, GitHub, Perforce

Tools and Application Software :

- Bootstrap, Ionic
- Eclipse, Android Studio
- Atom, Sublime Text, Dreamweaver
- Latex

Automation Testing :

- JUnit, Selenium Webdriver
- Apache HttpClients, google gson

Operating Systems :

- Windows, Linux

Hardware :

- VHDL

LINKS

Github:// **DavidMouse1118**
Personal:// **zhidongzhang1118.co**
LinkedIn:// **david-zhang**

SUMMARY OF QUALIFICATIONS

- Solid skills in **Object-oriented programming** with **Java** , **C++** , and **Python**
- Highly experienced with **JavaScript** , **JQuery** , **AngularJS** , **HTML** and **CSS** in developing web modules/applications
- Comprehensive knowledge and working experience in building Hybrid Mobile App using **Ionic Framework** , **FireBase** and **Cordova**
- Skilled in front-end and back-end development based on **MEAN Stack** (MongoDB, Express, AngularJS and NodeJs) and NoSQL Database
- Experienced in developing object-oriented and maintainable **automation tests** on Web UI and REST Api
- Highly self-motivated with quick adaption to new web technologies, concepts and programming languages

EXPERIENCE

OPEN TEXT | SOFTWARE DEVELOPER

Jan 2016 – Apr 2016 | Waterloo, CA

- Developed a Hybrid Mobile Application, a mobile version of Content Server 16, using **Ionic Framework** , **AngularJS** , and **Cordova** . Implemented various **RESTful APIs** to fetch data asynchronously; parsed data with AngularJS
- Responsible for developing maintainable automation tests on Web UI and REST Api of Content Server 16 with **JUnit** , **Selenium Webdriver** and implimented Page Object and Page Factory Pattern for the test suites
- Practiced the Agile Developing workflow using tools like **git**, **JIRA** , etc

SIDE PROJECTS

LET'S YUE | REAL-TIME CHAT MOBILE APPLICATION (IN PROGRESS)

- Integrated features such as creating activity chat rooms with friends etc
- Developed user authentication using **firebaseAuth** , applied security rules such as matching login user ID and processed data as JSON format.
- Applied **Ionic Framework** in the front end and **FireBase** in the back end.

CONNECT WORLD | MEAN-BASED APPLICATION WITH GOOGLE MAP

- Targeted on users who want to share their locations; enabled users to find people within a specific distance and with certain characteristics using **MongoDB's geospatial querying** and **Mongoose Query Builder**
- Utilized Nodejs, Express and mongoDB (mongoose) to create the **Express Server** and **RESTful API routes** ; used **AngularJS** to build the font-end structure with Google Maps API

OH MY FISH | HYBRID MOBILE APPLICATION

- A fishery data management application and resources-sharing platform during Toronto Fishackathon 2016
- Developed with **Ionic Framework** , AngularJS, **HTML/CSS** and **FireBase** during Toronto Fishackathon 2016.

AWARDS

2015 CDN\$ 5K President's Scholarship of Distinction, University of Waterloo
2014 Top 25% Canadian Senior Mathematics Contest