

Xiang (Daniel) Zhou

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EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR BASC, ELECTRICAL
ENGINEERING (CO-OP)
Expected 2020 | Waterloo, ON

PACIFIC CHRISTIAN SCHOOL

Grad. June 2015 | Victoria, BC

SKILLS

Programming

- C++, Java, Bash Shell, Python

Web

- HTML5, CSS, JavaScript, RESTful API
- PHP, AngularJS, Ionic, Bootstrap

Platforms

- Linux, Windows, Android, ROS

Tools

- Vim, Atom, Markdown
- Visual Studio, Eclipse, Android Studio

Database

- SQL-based: MySQL, MariaDB
- noSQL: MongoDB

Version Control/Work Flow

- Git, SVN • Agile, Unit testing

FIND ME @

Github:// [danblitzhou](#)
LinkedIn:// [danielzhoux](#)
Personal Page:// [danblitzhou.ca](#)

SUMMARY OF QUALIFICATIONS

- Proficient with **Object Oriented Programming (OOP)** with **C++** and **Java**
- Familiar with **Agile** Development Methodology; capable of following strict coding standards
- Highly experienced with **Ubuntu Linux** platform and various tools and services on Linux like **bash shell**, **vim**, **cron jobs** and **ubuntu server**
- Proficient with building front-end web sites/apps using **HTML5**, **CSS**, **AngularJS** or **jQuery**
- Familiar with building back-end structure based on **LAMP** (Linux, Apache, MySQL, PHP) stack
- Self-motivated, efficient learner with strong analytical and problem-solving skills
- Excellent written and oral communication skills

EXPERIENCE

AVIDBOTS CORP | SOFTWARE DEVELOPER (CO-OP)

Jan 2016 – April 2016 | Waterloo, ON

- Improved multiple features on Avidbots management website such as **time zone synchronization** with the database, **filtering data query** by different properties and **user authentication** based on permission roles
- Revised and updated Avidbots robot management **RestAPIs** version 0 and created unit tests to ensure they work properly; the API is created with **PHP ORM** (idiorm) and **MySQL** database (MariaDB)
- Based on the updated APIs, developed multiple applications on the management website including an **online cleaning plan editor** that allows users to **view**, **edit** and **create** cleaning plan properties and the key files in the plan
- Created the prototype of remote management ROS node in **python**, the node handles uploading files from the robot to the server

SIDE PROJECTS

LET'S YUE

HYBRID REAL-TIME SOCIAL APP (IN PROGRESS | COLLABORATIVE)

- Create event groups and send real time chat messages to friends
- Hybrid (Android/iOS/web) app build with **ionic** framework and **firebase**

OH MY FISH! | HYBRID MOBILE APP (COLLABORATIVE)

2016 Fishhackathon Toronto Entry Project

- A platform designed to standardize, manage and share fisheries data
- I designed and wrote the front end of the app with another teammate. The app is mainly built with **ionic/angularJS** framework as front-end and **firebase** as back-end

DANBLITZHOU.CA | PERSONAL WEBSITE

- A simple website about myself hosted on Github
- Built with **HTML**, **materialize css** and **angularJS**

AWARDS

2015	President's Entrance Scholarship	University of Waterloo
2012	Performance with honour	Canadian Open Mathematic Challenge