

Andy Zhang

1B Software Engineer
University of Waterloo

Links

- www.linkedin.com/in/andyzhang1
- www.github.com/andyzg
- www.andyzhang.net

Technical Skills

- Proficient in **Java**, **HTML**, **CSS**, **Javascript**
- Worked with **Python**, **PHP**
- Familiar with **C#**, **C**, **MongoDB**, **SQL**, **AngularJS**
- Experienced in **Android Development** using **Java**, **XML**
- Experienced in **Web Development** using **NodeJS**, **Socket.io**, **Express**, **Jade**, **JQuery**

Tools

- Comfortable with **Eclipse**, **Vim**, **LaTeX**
- Worked with **Git** version control
- Worked with **Unix Command Line**

Hobbies and Interests

- Dragonboat, Basketball
- Piano, Percussion, Composition
- Reading
- Project Euler

Contact

Local Address

155 University West Ave. apt. 322
Waterloo, ON, N2L 3E5

Permanent Address

3420 Paul Emile Cote
Montreal, QC, H4E 1Z6

Contact Information

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My Technical Experience

Web Developer

October 2013 - Present

University of Waterloo Alternate Fuels Team

- Designing the front-end interface for the team's website from scratch

Developer

September 2013 - Present

University of Waterloo Aerial Robotics Group

- Developing a map using **C#** that read coordinates of a plane from a **CSV** file
- Work with other teams to determine requirements for the program

Robot Programmer

October 2012 - March 2013

Marianopolis Robotics Team

- Developed the control system on the robot used for the Programming and the Driving competition

* **1st place for Programming** and **3rd place for Driving** at the Canadian Robotics Competition

Vice-President of Finance

May 2012 - July 2013

Marianopolis Student Congress

- File and oversee all financial transactions of Congress \$100,000 budget
- Developed efficient time management and organizational skills from managing weekly tasks and schoolwork

My Personal Projects

- **UWallet, Android App**, organizes a Waterloo student's meal plan dollars. Implemented a login script to fetch and parse data from Watcard servers, implemented the statistics page using **AChartEngine** library

* **Won 2nd place** at EngHack for the prototype

- **ScheduleIn, Web App**, schedule monitoring web app developed independently during MHacks using the **MEAN** stack and **Socket.IO**

- **Duel, Web App**, real-time problem racing. Implementing **socket.io** for updates and a prototype registration system using the **MEAN** stack

- **Ultimate Tic Tac Toe, Android App**, worked on the responsive graphical user interface used to display the pieces from the game

- **Workathon, Google Extension**, designed the user interface allowing students to block distracting websites during a set schedule

- **University Admission Calculator, Website**, displays University programs Quebec students have academic requirements for

- **Other smaller projects** include a **Pygame**, a maze generator with **DFS** for a game called Maze Race and a **PHP** scripts that scrapes information to be parsed into an **ics** file

My Education

Candidate for Bachelor of Software Engineering 2013 - 2018 (expected)

University of Waterloo

- Average of 94.6 %

Pure and Applied Science DEC

2011 - 2013

Marianopolis College

- Organized and made the questions for the first Computing Competition