

# DADI “D.Z.” ZHANG

2A Computer Science | University of Waterloo | 20610552

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## SKILLS SUMMARY

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- **Proficient:** Java, HTML, CSS, Racket, Android development, XML, and Markdown
- **Experienced:** Bash, C, Git, JavaScript, JSON, Bootstrap, Jekyll, and  $\text{\LaTeX}$
- **Familiar:** AngularJS, SQL, Python 2.7, Regex, and C++
- **Tools:** Linux (Ubuntu), Android Studio, Vim, Sublime Text, Atom, VirtualBox, Eclipse, and TeXMaker
- **Languages:** Fluent in English and Mandarin Chinese; Proficient in Japanese (JLPT N3 Level)
- **Others:** Extensive knowledge in biology and biochemistry; Proficient in basic probability theory
- Curious and conscientious with an earnest desire to learn; Fast independent learner with published projects; Enthusiastic and effective team player (2 hackathons with team awards: Waterloo Hacks and NHacks)

## PROJECTS & HACKATHON EXPERIENCES

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**WatScholarship** 🌟 **Google Play:** <https://goo.gl/CUZQBA> January 2016-Present  
Java, XML, Android Studio, JSON

- Published an Android application that helps UWaterloo students search for scholarship information
- Learned much about user interface design, API calls, and Android development in general

**Personal Website** 🌟 **http://dzed.me** November 2015-Present  
HTML, CSS, JavaScript, Jekyll, Markdown, Bootstrap

- Built a personal blogging website that showcases my projects, interests, and thoughts
- Updating a series of tutorials on the game of Go and lecture notes to share with my peers
- Accumulated over 600 page views as of May 2016

**EasyCalculator** 🌟 **GitHub:** <https://git.io/vrGRj> February 2016-Present  
Java, XML, Android Studio

- Developed an Android calculator that takes in audio input and outputs the result of the calculation audibly
- Implemented with Google's Speech Recognition and Text-to-Speech APIs

**Myo Muse - Waterloo Hacks** 🌟 **GitHub:** <https://git.io/vzhPr> January 2016  
Java, XML, Android Studio, JSON

- Built the Android client of Myo Muse, a music application that changes the tempo of a song to match the user's running pace; **1st Place in Waterloo Hacks** (<http://goo.gl/jRulf4>)

## EDUCATION

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- **Candidate for Bachelor of Computer Science, Honours, Co-operative** 2015-2020 (expected)  
University of Waterloo, Waterloo, Ontario
- **Udacity - Introduction to Data Science** May 2016
  - NumPy • Pandas • Data Analysis • Data Wrangling • MapReduce

## WORK & VOLUNTEER EXPERIENCE

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**Museum Educator Volunteer** October 2014-June 2015  
University of British Columbia - Beaty Biodiversity Museum, Vancouver, BC

- Interacted with and engaged visitors with touchable specimens and biodiversity talks
- Assisted with educational programs for children, including Puppet Shows and Story Time

## HONOURS, AWARDS & ACHIEVEMENTS

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- **Jymbit, “Most Promising Future Startup”, NHacks** March 2016
- **Faculty of Mathematics Global Scholarship** Fall 2015-Present  
Valued at \$12,000 over 5 years; Awarded to top international students
- **Top 25% in UWaterloo Centre for Mathematics and Computing Contests** 2012-2015  
Euclid (2014, 2015), CSMC (School Gold Medalist, 2014), Fermat (2014), Cayley (2013), Pascal (2012)
- **Runner-Up, Reach for the Top British Columbia Provincial Tournament** April 2015  
Member of the Churchill Secondary Reach for the Top Team; Team qualified for Nationals
- **National Biology Scholar Award** May 2014  
2014 University of Toronto National Biology Competition; 106th out of more than 3,000 contestants

## EXTRA-CURRICULAR ACTIVITIES & INTERESTS

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- **Go** Certified 5-Dan Go player; 1st Place in the 2013 TCCS Vancouver Youth Go Tournament; 4th Place in 2014 Vancouver Go Open; Member of the UWaterloo Go Club and WeGo Club
- **Baseball** Co-founder and ex-president of the Sir Winston Churchill Secondary School Baseball Club; Actively organized weekly practice and games; UWaterloo Intramural Slo Pitch League (2015-Present)
- **Other Interests** languages (currently learning Norwegian), piano (Grade 8), association football, tennis, baseball and football statistics, literature, data science, and biology