

# Zheng Chen

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<https://www.zhengchen.info/>

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## RELEVANT EXPERIENCE

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### Innovation – Software Developer (Co-op)

May. 2017 – August. 2017

The Weather Network, Oakville, ON, Canada

- Brainstormed and incubated new design ideas inspired by new-born technology – VR (Google Daydream using Unity), Personal Assistant (Amazon Alexa skill, Action on Google), etc.
- Implemented and deployed large-scale distributed RESTful API applications to generate readable text based on weather condition, which was available to all voice assistant platforms
- Analysed and enhanced several in-house RESTful API projects – redesigned the searching algorithms, improved API performances, researched and designed new SOA such as microservices

### Quality Assurance (Co-op)

September. 2015 – December. 2015

RL Solutions, Toronto, ON, Canada

- Developed and executed test plans, including new testing deployment and regression test, for RL 6 suite
- Offered suggestions to Product Management and Development team per testing outcome and progress
- Cooperated with Implementation team to offer product installation and configuration to clients, and record follow-up issues from clients

## EDUCATION

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**Candidate for Bachelor of Computer Science / Software Engineering Option**, *University of Waterloo*, Waterloo, ON

Jan. 2014 – Present

*Current Level: 3B, GPA: 88.33%*

**Exchange Program**, *Australian National University*, Canberra, ACT, Australia

July. 2016 – December. 2016

### Area of Interest:

- Algorithm design and Data Abstractions
- Backend Development: Scripting language (Python, shell, JavaScript), Database Management (PostgreSQL, MongoDB), Object-Oriented Programming (C, C++), Applied Cryptography
- Mobile Development: Apple Devices (SWIFT), and cross-platform development

### Relevant Project and Modules:

- Alexa UW Assistant (Node.JS, AWS)
  - ✓ Implemented and advanced the very first comprehensive Alexa “skill” to answer campus-life questions, using AWS Lambda, Route 53, EC2
  - ✓ Experienced the full Software Development Life Cycle (SDLC) through planning, analyzing, designing, prototyping (implementation), testing, and maintenance
  - ✓ Acquainted with the thriving Voice Assistance field, and grasped server deployment experiences
- Note-Hero (JavaScript, ReactJS, Python, Microsoft Cognitive Service)
  - ✓ Took advantage of Microsoft’s cognitive service API (Text Analytics) to detect keywords, sentiment, and possible topics based on raw input
  - ✓ Learned the ReactJS through development, and discovered the efficiency, flexibility of the library
  - ✓ Contributed as one member during teamwork – exchanged inspirations on initial ideas, made plan and conquer difficulties together, then summarized potential improvements from first hackathon
- Personal Website (HTML, CSS, JavaScript, Bootstrap) <https://www.zhengchen.info/>
  - ✓ Acquired fundamental skills in webpage development through self-learning online courses
  - ✓ Adopted Bootstrap Framework to power front-end design of the website

## ACTIVITIES & INTERESTS

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**UofTHacks 2017, QHacks 2017, McHacks 2017**

Winter, 2017

**University of Waterloo Ambassador, Ontario University Fair (OUF)**

October, 2015

**University Global Engagement Leadership Program (GELP) Volunteer**

Winter, 2017