Zheng Chen

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RELEVANT EXPERIENCE

Innovation – Software Developer (Co-op)   May. 2017 – August. 2017
The Weather Network, Oakville, ON, Canada
- Brainstorm and incubate new design ideas inspired by new-born technology – VR (Google Daydream using Unity), Personal AI Assistant (Amazon Alexa using cognitive analysis), etc.
- Implement prototypes then collect feedback, and enhance design from the cycle
- Create large-scale distributed application that integrate to several APIs, such as Facebook, Twitter, etc.
- Utilize open source big data tools such as Hadoop, Apache Flume to build insights from user information in web server logs

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

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, MangoDB), Object-Oriented Programming (C, C++), Applied Cryptography
- Mobile Development: Apple Devices (SWIFT), and cross-platform development

   Relevant Project and Modules:
- <u>Weather Alexa</u> (Node.JS, AWS)
   - ✓ Implemented and advanced the very first comprehensive weather "skills" in Amazon Alexa in Canada, using the Weather Network API, and AWS Lambda service
   - ✓ Took part in the full Software Development Life Cycle (SDLC) through planning, analyzing, designing, prototyping (implementation), testing, and maintenance
   - ✓ Acquainted with the thriving Voice Assistance field
- <u>Note-Hero</u> (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
- <u>Personal Website</u> (HTML, CSS, JavaScript, Bootstrap) *https://www.student.cs.uwaterloo.ca/~z274chen/*
   - ✓ Acquired fundamental skills in webpage development through self-learning online courses
   - ✓ Adopted Bootstrap Framework to power front-end design of the website

ACTIVITIES & INTERESTS

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