






Zheng Chen

Bachelor of Computer Science / Software Engineering Option, University of Waterloo

Contacts

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Languages

Ruby on Rails	Node.js
C/C++	Python
C#	Java

Tools

-  [Cloud](#): AWS & GC
-  [Deployments](#): Kubernetes, Shipit
-  [DB](#): MySQL, SQLite, DynamoDB
-  [Voice](#): AVS, Dialogflow
-  [VR/AR](#): Unity
-  [Monitoring](#): Datadog, Splunk

Interests

- Backend Development
- Production Engineering
- Applied Crypto, Privacy, Security
- Machine Learning

Educations




- [University of Waterloo](#)
Waterloo, ON 
Jan 2014 – Apr 2019 (Expected)
- [Australian National University](#)
Canberra, ACT 
2016 (One-semester Exchange)

Awards & Extracurriculars




- Exchange to Australia – 2016
- David Johnston International Experience Awards – 2016
- Ontario University Fairs – 2015
- UW President's Scholarship – 2015
- Math/ELAS Scholarship – 2015

Experiences

Backend Software Developer – Shipping Team
[Shopify](#), Ottawa Fall, 2017

-  Perfected Shipify – Shopify's backend shipping API service, with new carrier integrations, and refactorizations (stability & performance improvements)
-  Improved Shopify core's frontend and backend integration with Shipify to improve user experiences
-  Acquired comprehensive knowledge on Ruby on Rails framework and its popular libraries

Innovation Software Developer – Innovation Centre
[The Weather Network](#), Oakville Spring, 2017

-  Brainstorm and incubate new design ideas inspired by new-born technologies – VR (Unity & Google Daydream), Voice Assistant (Actions on Google & Alexa Skills)
-  Implemented and deployed large-scale distributed RESTful API applications to generate readable text based on weather conditions, which was available to all voice assistant platforms
-  Analyzed and enhanced several in-house RESTful API projects – redesigned searching algorithms, improved performances, researched and designed new SOA such as micro services

Projects

[Alexa UW Assistant](#)

- Developed a very first front-to-end UW campus related Alexa skill using UW Open API and Amazon Voice Service
- Created a compact and highly-scalable Node.js express backend API service to power the skill
- Acquainted with the thriving Voice Assistant field including some other platforms such as Siri, Google Assistant, and Cortana

[BetterNPM \(In Progress\)](#)

- Based on [Shopify CLI-UI](#), developed a interactive Ruby tool to help with Node development, including package management, cloud-service deployment (integrations with AWS Lambda & GC Functions), testings, and local server deployment
- Ensured product health using CI & linter services