

SHASTA RITCHIE

Computer Science Student

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EDUCATION

Candidate for Honours Bachelor of Computer Science (BCS)

Co-operative Program,
University of Waterloo,
September/2016 - Present

TECHNICAL SKILLS

- Languages: Java, C/C++, C#/Unity, Racket, Python
- Front-End: AngularJS, React, Typescript, REST
- DevOps: Docker, Kubernetes, Azure
- CMSs: Drupal, Wordpress

AWARDS

- Recipient of Nordstrom Four-Year Scholarship, given to 10 students across Canada based on academic and extra-curricular achievement.
- Recipient of Computing and Financial Management Entrance Scholarship, given annually to the top 2 applicants.

PROJECTS

Personal Website

Personal Project, September/2017

- Created personal website using Google App Engine, Python, Jinja2, and HTML/CSS/JavaScript templates.

INTERESTS/CLUBS

- Violist in Orchestra@uwaterloo for over 4 years
- Bibles and Beers at Emmanuel United Church
- Avid cook and wine connoisseur!

WORK EXPERIENCE

Software Engineer

Dematic Inc., Waterloo, Ontario, May/2019 - May/2020

- Added interactive screens to all major warehouse components in Dematic's Virtual Facility product, making it easier to debug customer facilities.
- Built a web service which generates facility maps that are compatible with Dematic's real-time data analytics software.
- Presented research on serverless technologies to help reduce cloud hosting costs for Dematic products.

Dev-Ops Engineer

Dematic Inc., Waterloo, Ontario, September/2018 - December/2018

- Worked with external engineers to migrate >4GB SVN repository to Dematic's private GitLab.
- Set up approximately 200 user accounts on Dematic software engineering tools.

Technical Writer

Dematic Inc., Waterloo, Ontario, January/2018 - April/2018

- Developed a five hour online course about proprietary subsystems for Dematic software engineers.
- Added approximately 30 articles to the Dematic IQ online user documentation.

Live-In Assistant

L'Arche Hamilton, Hamilton, Ontario, May/2017 - August/2017

- Created online training module used to help train international hires before they arrive in Canada.
- Lived with and supported disabled peoples with personal finances and self-care.

Content Creator

Laubach Literacy Ontario, Waterloo, Ontario, May/2016 - September/2016

- Maintained and updated the organization's website with Drupal CMS.
- Developed 5-part literacy e-course for adult learners, used by non-profits to help adults learn workplace skills.
- Edited and published 3 issues of LLO's quarterly online magazine.