

Clarice Ng

Computer Science (4th year) • University of Waterloo
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WORK EXPERIENCE

Software Developer Intern

Autodesk

Sept - Dec 2016

- On the Fusion360 browser team, contributed to key features for one of Autodesk's flagship product's web applications
- Implemented the propagation of data for features between the server and client using object oriented design principles (Javascript, C++)
- Used a custom Javascript widget system to implement UI changes to reflect the Fusion desktop app for a more intuitive user experience

Undergraduate Research Assistant

David R. Cheriton School of Computer Science

May - Aug 2016

- Worked in Human-Computer Interaction lab under supervision of Dr. Edith Law by contributing to the design of Fitt's Law curiosity experiment and developing a Javascript application for it

Web Application Developer

Public Health Agency of Canada

Jan - Apr 2016

- Redesigned the SuperPhy web application to improve the application's scalability and maintainability
- Refactored old front-end HTML/Javascript templates to use the Mithril.js framework in Coffeescript to improve browser rendering
- Developed Python scripts to upload and validate gene and genome metadata to a triplestore graph database

Creative Tech Specialist

Marketing & Strategic Communications, UWaterloo

May - Aug 2015

- Created responsive HTML email invitations compatible across multiple email clients to reach individuals throughout the university

EXTRAS

Math Teaching Assistant

University of Waterloo Math Faculty

Sept 2014 - Present

- Tutored students and marked assignments for various math courses including combinatorics, calculus, and linear algebra.

Director of Publicity, Office Manager

Women in Computer Science UG Committee

May 2015 - Aug 2016

- In charge of publicizing events, including outreach through social media, designing posters and banners, and sending emails.
- Maintained the office policy and organized office hours
- Received scholarship to attend Grace Hopper Celebration for Women in Computing (2016)

SKILLS

Industry Experience

Python • Javascript • HTML/CSS • Coffeescript • SPARQL • triplestore databases • git • bash • Linux • C++ • jQuery • Docker • node.js • Three.js

Others

C • Java • Android • AngularJS • Sass/ Less • Bootstrap • Flask

Design

Photoshop • Illustrator

EDUCATION

Bachelor of Computer Science

University of Waterloo 2013 - 2018

- Human-Computer Interaction Option
- Term Dean's Honours List (Fall 2013 - Winter 2015)
- President's Scholarship
- French Certificate

PROJECTS

- Personal website
- Contributing to Women in Computer Science website (git, Pelican)
- Designed mock-ups for an Android application at Hack Western 2

INTERESTS

- Computer graphics, animation
- Machine learning
- UI/UX and interaction design
- Badminton
- Journaling, blogging
- Playing video games
- Learning new things!