

# Nancy Chen

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## WORK EXPERIENCE

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### Software Developer – UBC LLE

2017 – 2018 (6 mo)

- Gathered requirements and successfully re-designed legacy templates for [www.eslassess.ca](http://www.eslassess.ca) with WordPress platform. Work received praises from the education consortium and project managers.
- Migrated website and database from old prototype domain to production domain.

### Teaching Assistant

2015 – 2017 (1.5 yr)

- Led programming labs as the lead TA for 1<sup>st</sup> year functional programming and 2<sup>nd</sup> algorithm class. Offered weekly office hours and helped students understand course concepts and with assignments.
- Received 4.5/5 positive feedback and returning offers from the faculty.

### Software Engineer - Simba Technologies

2016 (8 mo)

- Co-designed large caching components in a MDX/SQL translation engine and reduced known SQL execution time by 20%. Actively involved in design meetings, code reviews, and regression testing.
- Reduced SQL redundancy via system refactoring to prevent usage of legacy C++ code.
- Improved system performance by tracking down overdue memory leaks and dangling pointers.
- Presented a novel analysis on conservation hotspots using survey data and Business Intelligence tools.

## PROJECTS

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### Coast Capital Savings Internal Procurement System (course project – 86%)

2017

- As the PM, led a 6-person team from product design to completion. Improved organizational and interpersonal skills through code reviews, sponsor meetings, and team meetings. Designed and implemented LDAP login, REST API, database, and SQL stored procedures.

### Magic Yelp Madness (course project – 96%)

2016

- Using HCI methodologies scoped, designed, and iterated through a mobile app for facilitating group decision-making. Led the team to receive the highest grade amongst over 20 projects in the class.

### TweetMeet (course project – 100%)

2016

- Learned to write a Haskell script to connect to Twitter API and search for user-defined handles and hashtags. Script handled IO, OAuth, Error-handling, and JSON parsing.

### InsTrail - Real-time Hiking Trail Popularity Monitor (course project – 90%)

2015

- Learned to use MVC architecture to build a map-based web app with GoogleMaps and Instagram API. Designed and refactored backend infrastructure. Led sprints and team meetings.

## HACKATHONS & VOLUNTEERING

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### Canada Learning Code - Lead Instructor

2018

- Successfully led 50 kids and 7 mentors in a fun 3-hour workshop to code in Ruby. Delivered the materials effectively and in an engaging manner. Received a returning offer immediately.

### BCS 2018 Hackathon

2018

- Learned how to use the Python library Scrapy to scrape the latest conditions of local hiking trails on the web. Configured MariaDB for data storage.

## EDUCATION

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University of British Columbia • Bachelor in Computer Science (2018) • B.Sc in Applied Animal Biology (2013)

## INTERESTS

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- Name all the birds around me
- Appreciate the beauty of natural recursion
- Teach kids and non-kids
- Perfect the Spanish tongue roll
- Algorithms involving giving m cookies to n people