

# Nancy Chen

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## BACKGROUND

#C/C++ #Java #React-Native #Haskell #Analytics #Mobile #Team Player #Fast Learner

## WORK EXPERIENCE

**Software Developer – UBC Department for Language and Literacy Education** 2017 Sep – present

- Improve UI and migrate web templates of the BC Lower Mainland ESL Assessment Consortium's website.

**Teaching Assistant**

2016 Sep – 2017 Apr, 2015 Apr – Jun

- Lab and Grading TA for 2<sup>nd</sup> yr. data structures & algorithm class and 1<sup>st</sup> yr. functional programming class. Led labs on algorithm concepts, coding practices, & debugging techniques.

**Software Engineer - Simba Technologies**

2016 Jan - Aug

- Developed new features in a ROLAP project in C++ to support MSAS-like behaviours.
- Designed and implemented caching components in the ROLAP project.
- Performed automated regression test development using INI, VBS and python scripts.

## PROJECTS

**Coast Capital Savings Internal Procurement System**

2017 Jan – Apr

- Designed and Implemented a web application using React + Java technology. Acted as the PM and backend developer. Worked on security, backend API, database design, code review, and document generation. As a PM directed scrum meetings with team and sponsors and.

**Inukshuk Android App** (Software engineering course project)

2017 Jan - Apr

- Implemented frontend features and API of an outdoor emergency contact app with React Native. Also acted as the PM of the 4-person team and directed sprints and story development.

**Magic Yelp Madness** (HCI course project)

2016 Dec

- Designed a Yelp mobile app for facilitating group decision-making . The app received highest grade in class (20+ projects).

**2016 BuildDirect Hackathon** ([github.com/nanstc/hackBD](https://github.com/nanstc/hackBD))

2016 Sep

- Delivered a product comparison web app. Idea received "Honourable Mention" award.

**Real-time Hiking Trail Popularity Web Application** (course project)

2015 Sep – Dec

- Pitched and implemented Ruby on Rails hiking web app to analyze Instagram check-in data.

**Effective DBMS & UI to Improve Ecological Data Entry & Querying**

2015 Jun – Sep

(individual project, research funded)

- Redesigned lab databases and migrated lab data from MS Access to SQL server.
- Designed novel UI for efficient and accurate data entry with JDBC connection to server.

## EDUCATION

- University of British Columbia**, Vancouver, BC
  - Bachelor in Computer Science, 4<sup>th</sup> year (Expected graduation: Dec 2017)
  - B. Sc in Applied Animal Biology (2013)

## INTERESTS

- Bird watching ■ Programming ■ Hiking ■ Bouldering/Climbing ■ Wellness ■ Cooking ■ Animals