

# Lief Swanson

www.lief.info

Abbotsford BC CAN

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## About Me

I am an Information sponge, that likes to apply the knowledge I have absorbed to whatever I find interesting. My ultimate career goal is to make software which people truly enjoy using, because it makes their work/lives easier and more engaging.

## Education

### Simon Fraser University

Undergraduate Burnaby, BC CAN  
Double Major BSc & BA  
CGPA = 3.32

**Software Systems** 2009 Sept - ongoing  
Experience involves both the practice and theory behind Computer Science, with practical application in mind.

#### Interactive Arts

**And Technology** 2009 Sept - ongoing  
Experience is fairly broad, but is focused on UI/UX design. Incorporating elements of audio and static / dynamic visual media.

#### Cognitive Science

**Lab Volunteer** 2016 Sept - ongoing  
Assist in the theory, implementation, and analysis of experiments focused on human attention allocation and long term learning.

**NSERC USRA Grant** 2017 May - August  
Worked on a tool to dynamically create custom keyboards layouts to minimize error in gesture typing on touch devices. Working toward publishing.

#### GUI apps

Photoshop  
Illustrator  
InDesign  
Inkscape  
GIMP

#### CLI apps

Fish  
Git  
Bash  
Make  
npm

#### OSes

Arch Linux  
Ubuntu  
Windows  
Android

## Work and Internship

### Simon Fraser University

#### Teaching Assistant

Surrey, BC CAN

2018 Jan - Mar

- Was the only TA for 90 students in a second year course about Object Oriented Programming.
- Helped transition the course away from old tools and toward teaching OOP in the context of REST APIs.
- Received multiple commendations from both students and the teacher, for my performance.  
"The most responsible TA I have ever met" - student  
"You should teach a course" - another student  
"You made this incredibly easy" - teacher

### British Columbia

#### Medical Association

Vancouver, BC CAN

#### Junior Support Specialist

2013 May - Sept

- Managed IT problems arising from the displacement of 30 workers during a 3-month renovation.
- Coordinated between internal and external groups to prevent issues from hindering anyone's work day.
- Designed step-by-step visual tutorials so users could solve common problems on their own.

### Whittington IT

Brisbane, QLD AUS

#### IT Consultant

2012 Feb - Sept

- Maintained software and hardware at dozens of medical practices, each with unique needs.

#### Interim Company Head

2012 May - July

- Was left solely in charge of my boss' usual duties, and all of his clients while he was on medical leave.
- Had more personal interaction with the clients, who were accustomed to working only with my boss.

## Skills

Ordered most to least comfortable

#### Strong Languages

Kotlin  
Java  
Python  
English  
C & C++  
C#

#### Familiar Languages

Golang  
Haskell  
JavaScript & TS  
SQL  
HTML/XML  
CSS (SCSS)

#### Text editors & IDEs

VScode  
Atom  
IntelliJ  
Emacs  
Sublime  
Eclipse