

# ELLIOT BARER

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## SUMMARY

Graduating in August 2017, seeking a full-time career where I can share my passion for developing engaging products that are used by people every day.

## PROGRAMMING LANGUAGE EXPERIENCE

- Swift, Limited Objective-C
- C, C++, Java, Python
- PHP, CSS, HTML, Javascript, MySQL
- VHDL

## RELEVANT SOFTWARE KNOWLEDGE

- Xcode, Visual Studio, Eclipse
- MatLab
- Arduino IDE
- Cadence Allegro, Altium Designer
- Adobe Photoshop

## EXPERIENCE

### Embedded Systems Engineer Co-Op, Intel Corporation

Sep 2015 - Apr 2016

- Developed firmware validation tests and framework using Python
- Performed hardware, firmware, and test script troubleshooting to isolate root causes
- Worked closely with firmware engineers to develop test strategy
- Communicated with teams internationally to resolve impediments
- Utilized JIRA for task tracking in a team employing the agile development methodology

### Lab Technician Co-Op, Intel Corporation

Jan 2013 - Dec 2013

- Devised and conducted testing on SSD PMU and assisted in redesign
- Developed a custom PCI-E interposer to conduct EV and thermal tests
- Developed electrical validation software to automate testing using version control

### Family Room Specialist, Apple Inc.

Aug 2009 - Dec 2011

- Performed troubleshooting and repaired iOS devices (iPad, iPhone, iPod)
- Effectively communicated technical information to customers to provide understanding

### Website Development, Contractor

Jun 2007 - Present

- Worked independently with clients to develop online marketing and advertising strategy
- Maintained consistent communication with clients to update them on progress

## EDUCATION

### Simon Fraser University (SFU)

2015 - 2017

- Bachelor of Science, Computer Science with Distinction
- **GPA: 3.8, UDGPA: 4.0**

### British Columbia Institute of Technology (BCIT)

2012 - 2014

- Diploma of Technology, Electrical and Computer Engineering Technology with Distinction
- Computer Control Option, Co-operative Education Program

## AWARDS

- Undergraduate Open Scholarship, SFU** Summer 2017
- Awarded to students with a CGPA of 3.67 or higher
- President's Honour Roll, SFU** Summer 2017
- President's Honour Roll, SFU** Spring 2017
- Selection to the President's Honour Roll is based upon achievement of a 4.0 or higher GPA after completion of a minimum of 30 units at SFU, and a minimum of 12 units in the term being evaluated.
- Faculty of Applied Science Dean's Honour Roll, SFU** Fall 2016
- Faculty of Applied Science Dean's Honour Roll, SFU** Summer 2016
- Selection to the Dean's Honour Roll is based upon achievement of a 3.5 or higher GPA after completion of a minimum of 30 units at SFU, and a minimum of 12 units in the term being evaluated.
- DOOMHACK, SFU** Feb 2015
- Awarded second place in the hardware category
- The Computer Control Technology Award, BCIT** Jan 2015
- Awarded to the student with the highest average in the final year of their program
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## PROJECTS

- Medicine Manager, iOS App (On the App Store)**
- User management of interval and scheduled medication
  - Scheduled notifications as reminder to take dose
  - Prescription management including reminders when running low
  - **Languages:** Swift
- SmartLock, Arduino Uno + iOS App**
- Bluetooth LE controlled door lock
  - Accompanying iOS app to remotely control thumb turn using user location
  - Manual unlocking/locking of the door by rotating the device
  - Powered by 2 AA batteries that provide approximately 10 months of daily use
  - **Languages:** C, C++, Swift
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## CERTIFICATIONS AND HOBBIES

- Advanced Open Water Diver Certification, Professional Association of Diving Instructors**
- Open Water Diver Certification, Professional Association of Diving Instructors**

### ACTIVITIES

- Hockey (Goalie)
- Scuba Diving (See above)
- Dirt and Downhill Biking
- Snowboarding
- Dodgeball
- Hiking

### INTERESTS

- Computers and technology
  - Website development
  - Graphic design and image manipulation
  - Photography
  - Board games
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