

ELLIOT BARER

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SUMMARY

Graduated in August 2017, relocating to the San Francisco Bay Area in the Fall.

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)

Spring 2015 - Fall 2017

- **Bachelor of Science (with Distinction), Computer Science**
- Co-operative Education Program
- GPA: 3.8, UDGPA: 4.0

British Columbia Institute of Technology (BCIT)

Spring 2012 - Fall 2014

- **Diploma (with Distinction), Electrical and Computer Engineering Technology**
- Computer Control Option, Co-operative Education Program
- GPA: 84%

AWARDS

Undergraduate Open Scholarship, SFU

Summer 2017

- Awarded to students with a CGPA of 3.67 or higher

President's Honour Roll, SFU

Spring and Summer 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

Summer and Fall 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

Spring 2015

- Awarded second place in the hardware category

The Computer Control Technology Award, BCIT

Spring 2015

- Awarded to the student with the highest average in the final year of their program

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

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