Brian Chau

4-11571 Thorpe Rd, Richmond, BC, V6X 3Z4, Canada me@brianchau.ca 778-998-2722

Profile

- Cumulative Undergraduate GPA: 91.0%/3.89 (93.3%/4.00 over CS courses)
- Participated in various programming competitions, including Google Code Jam and the ACM International Collegiate Programming Contest.
- GitHub: github.com/briguychau
- Electronic portfolio: www.brianchau.ca

Technical Skills

Languages	Web	Software
C/C++	JavaScript	Android Studio
Java	PHP	Git
Python	HTML+CSS	UNIX/Linux
Objective-C	Django	

Work Experience

Software Development Engineer Intern, Amazon Lab 126 Sep 2014 to Dec 2014
- Introduced new server side features used by customer service agents for the Mayday feature in the Fire Phone and Fire Tablets.

Software Development Engineer Intern, Microsoft Corporation May 2014 to Aug 2014
- Designed and implemented an API for the next release of DirectX relating to shaders and shader reflection.

Software Development Engineer Co-op, A Thinking Ape Jan 2014 to Apr 2014
- Improved the use of Facebook as an advertising channel for our app, e.g. incentivizing users for sharing their results on Facebook and automatically giving rewards for Facebook referrals.
- Implemented various front-end and back-end services for a re-branding of our Android application, including in-app purchase notifications, to improve monetization and retention.

Projects

C++ Smart Object Library (C++; personal; GitHub: bclib) Aug 2014 to present
- Designed a C++ smart object library, providing smart object and smart pointer classes which employ automatic reference counting to automatically deallocate orphaned objects. (Ongoing project)

Java 8 Functional Library (Java 8; personal; GitHub: jfl) Sep 2014 to Oct 2014
- Implemented a Java library which contains basic functional programming features, using the new Java 8 Lambda Expressions syntax.

FoodHero (PHP, JavaScript, HTML, CSS, SQL; academic) Fall 2013
- Created a restaurant-based social networking web app in a group. Implemented the ability to add/remove reviews and likes to a restaurant page, mapping functionality with the Google Maps API, registration system, and basic user interface.

Education

University of British Columbia Sep 2011 to May 2016 *expected*
- Bachelor of Science, Major in Computer Science (Software Engineering Option)
  - Achieved an average of over 90% and ranked within the top 5% of all students in 2011-12, 2012-13, and 2013-14 school years
- Awarded multiple teaching assistantships in computer science courses:
  - CPSC 221: Basic Algorithms and Data Structures: introduction to algorithms (sorting, searching, analysis), data structures (graphs, lists, heaps, trees), and other topics (concurrency, counting, proofs). (Jan to Apr 2015)
  - CPSC 210: Software Construction: teaches object oriented programming in Java and introduction to software engineering through UML diagrams and version control systems, and is capped off with an Android project. (Jul to Aug 2013 and Sep to Dec 2013)
  - CPSC 101: Connecting with Computer Science: an introduction to computing through HTML, JavaScript, and Scratch. (Jan to Apr 2013)