Logan Gilmour

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Education

Currently Enrolled in M.Sc. Computing Science University of Alberta, AB, CA
B.Sc. Honours Computing Science
June 12, 2013, with First Class Honours
University of Alberta, AB, CA
GPA: 3.48, Major: 3.60

Technical Skills

Clojure, CouchDB, Eclipse, Git, Google Web Toolkit, Hibernate, HTML/CSS, Lua, Java, JavaCC, Javascript, JQuery, JSON/REST, MySQL, PostgreSQL, RDF, SVN, Tomcat, XML

I have dabbled in many other technologies, but would not confidently list them as skills.

Experience

Teaching Assistant

September 2013 - Present
INT D 325: Game Design Principles and Practice, University of Alberta, Dr. Michael Bowling

Aiding students in game-design exercises, grading quizzes and assignments. Designed a lab exercise.

Undergraduate Research Assistant

May 2012 - September 2013
Service Systems Research Group, University of Alberta, Dr. Eleni Stroulia, Dr. Sarah Forgie

Designed and implemented a prototype web-based e-learning tool that logs all user interactions using Clojure, ClojureScript, CouchDB, and Tomcat. Developed a prototype tool that generates interactive HTML from RDF. Full-time during the summers of 2012 and 2013, and part-time during the school year.

Teaching Assistant

Jan 2012 - May 2012
CMPUT 297: Introduction to Tangible Computing II, University of Alberta, Dr. James Hoover, Dr. Michael Bowling

Aided students in learning course content during office hours, and graded programming quizzes and assignments.

Software Development Intern

May 2011 - Dec 2012
Health Care Aids and Technology project funded by Alberta Health and Wellness, Dr. Lili Liu

Designed and implemented a prototype application for scheduling Health Care Aids, using Google Web Toolkit, Tomcat and PostgreSQL for scheduling application and PhoneGap for a mobile app for schedule viewing and task completion. Also adapted this software to schedule medication reminders for a smart-pillbox based on an Arduino microcontroller.

Undergraduate Research Assistant

May 2010 - Dec 2010
The Service Systems Research Group, University of Alberta, Dr. Margaret Mackey, Dr. Eleni Stroulia

Designed and implement an XML-based language for developing iPhone-based interactive spatial e-books in Objective-C, and developed a demo e-book using the language I developed. Designed and implemented a declarative language for web-scraping in Java. Developed a small tool to aid in digitizing health-care forms.

Self Employed

May 2010 - Present

Built several web-pages using PHP on shared Apache hosting. Built two web-applications with GWT running on Tomcat hosted on Amazon EC2.

Publications

Abbey, B.; Alipour, A.; Gilmour, L.; Camp, C.; Hofer, C.; Lederer, R.; Rasmussen, G.; Lili Liu; Nikolaidis, I.; Stroulia, E.; Sadowski, C.; , "A remotely programmable smart pillbox for enhancing medication adherence," *Computer-Based Medical Systems (CBMS), 2012 25th International Symposium on*, pp.1-4, 20-22 June 2012

Awards

NSERC Undergraduate Summer Research Award   2012

Dean's Honor Roll   2010-2011, 2011-2012, 2012-2013

Jason Lang Scholarship   2010, 2011

Interests

Programming language design, skiing, rock-climbing, music composition and performance, game design, listening to audio-books

References available on request