

ADRIAN Z.K. LEE

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Canadian Citizen

EDUCATION

Bachelor of Engineering (Computer) *McGill University – Montréal, Canada*

Fall 2007-Present

- Internship Program: Research in Motion (16 months)

Exp. Grad Apr 2013

- Courses:

Telecom & Computer Networks	Operating Systems	Parallel Computing
Software Validation	Computer Org & Architecture	Microprocessor Systems

- Final Year Projects:

The Engineering Network – Digital Signage Software as a Service, Raspberry Pi as a Thin Client
Distributed & Multi-Threaded Web Crawler via Message Passing
MEMS-controlled Theremin via Real-Time OS on STM32 ARM

TECHNICAL SKILLS (Software)

Languages (years of exp.): Java(3), C(1), C++(1), JavaScript(3), PHP(3), HTML(5), Maven, Ant

Database, Tools, Libs: Node.js, JQuery, SQL, MongoDB, Redis, Git

Others: REST API design, Web Services, Continuous Integration, TDD, Test Automation, Message Queue

WORK EXPERIENCE

Application Developer Intern – BlackBerry WebWorks SDK

May 2011-Aug 2012

Research In Motion – Toronto, Canada

- Contributed in developing an SDK allowing developers to build mobile applications using HTML5 with additional JavaScript bindings to native Java/C++ APIs, and deploy them easily across BlackBerry OS Platforms
- Conducted work in three different high performing agile teams within an open source TDD environment
- Designed, implemented and tested various APIs including: Push, File Transfer, Events (Webkit), App Invocation, In-app Payment, Personal Information Manager (Qt)
- Created tooling for packaging mobile applications using Node.js as an CLI application
- Conceptualized and developed an automated JavaScript testing framework in the browser
- Streamlined Continuous Integration & SCM process by optimizing build operations

Web Developer

Dec 2009-May 2011

Students' Society of McGill University (SSMU) – Montréal, Canada

- Collaborated with OOHLALA Mobile to connect students with University events on their mobile devices, by synchronizing OOHLALA with McGill's events calendar
- Developed system which manages LISTSERV Form submissions and generates HTML formatted LISTSERV emails by utilizing an Open-Source Content Management System
- Designed an E-Commerce Website which handles Student Orientation registrations for student organizations
- Designed online submission form for a contest requiring large attachments to be sent to judging panel via email

PROJECTS

McGill Code Jam – Morgan Stanley 48 Hour Coding Competition

Nov 2012

- Created a Low Latency Algorithmic Trading Application (Java, Node.js, Redis Pub/Sub)
- Utilized Message Queue to handle trading, scheduling, and reporting of trades

Great Canadian Appathon 3 – XMG Studio 48 Hour Coding Competition

Sept 2012

- Created game using HTML5 Canvas and JavaScript. Deployable to cross-platform mobile device

McGill Code Jam – Morgan Stanley 48 Hour Coding Competition

Nov 2011

- Successfully created an electronic stock exchange through experimentation (Node.js, MongoDB, D3.js library)
- Integrated Twilio's SMS and Silanis's data snapshot functionality via API service calls

Great Canadian Appathon 2 – XMG Studio 48 Hour Coding Competition

Sept 2011

- Created a dodge ball Android game, advanced into the top 25. Competed against 150 teams

EXTRACURRICULAR ACTIVITIES

VP IT Exec, Hong Kong Student Association, McGill University

2010-Present

Mechanic, The Flats Bike Collective, McGill University

2008-2010

INTERESTS & HOBBIES

Node.js ♥, Full-stack Web Development, Cloud Solutions, Client-side JS Frameworks, Startups