

Saquib Hafiz

4A Honours Bachelors in Computer Science #20418694

Temporary Address

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Permanent Address

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Work Experience:

A9.com (Amazon) – Visual Search Platform Engineer

Palo Alto – September 2014 – December 2014

- Create Cron jobs that run concurrently on multiple machines to update the DynamoDB tables and the S3 buckets responsible for maintaining the data used by our visual search product
- Worked on internal tools used widely among the company to understand large quantities of data
- Worked on abstracting machine learning models for future ventures so that it may better rank our visual search results based on a wide variety of input
- Participated in a company hackday by constructing a receipt reader that uses OCR to track expenses

Yelp - Full Stack Web Developer with SeatMe

San Francisco – January 2014 - March 2014

- Learned Python and subsequently the Django framework to implement several new features that harness the power of PostgreSQL, Redis and RabbitMQ
- Constructed interactive UI using modern technology such as Backbone.js, SVG and Compass (SCSS)
- Created flexible front facing widget used by clients to make reservations from any platform/device
- Redesigned entire client guestbook page adding functionality for a better user experience
- Constructed a question & answer platform, such as StackOverflow, in Django for the Yelp hackathon
- Completely revamped the company website, seatme.yelp.com, giving it a fresh new look and feel

VitalHub - Android Developer

Toronto – May 2013 - August 2013

- Sole Android developer working on the VitalHub application for the Nexus 7 tablet
- Designed and implemented over a dozen brand new features into the application from the ground up, this includes both UI design and backend development
- Refactored application infrastructure to allow different types of data to be user viewable
- Applied AES-256-CBC encryption to the entire app for secure server and device communication
- Launched version 1.1 of the VitalHub Chart Android application onto Google Play

Pivotal (Xtreme) Labs - Agile Engineer

Toronto – September 2012 - December 2012

- Developed and maintained a large scale Android Service for an interactive tablet application
- Designed services to interact in parallel over the Android Inter-Process Communication (IPC) barrier
- Constructed a client side simulator, in Ruby, to stress test the server and mimic network traffic
- Designed and built an analytics tool in HTML5 and JavaScript to process simulator logs as well as display them effectively using the Google Chart Tools API
- Learned and effectively implemented Android debugging tools such as the stack/heap analytics tool, DDMS, as well as the native Eclipse Android debugger

Maluuba - Android Development Intern

Waterloo – September 2011 - January 2012

- Developed a web based application using the Yelp API, both using and not using OAuth
- Experienced with handling, creating and parsing JavaScript Object Notation (JSON) Objects
- Deployed and debugged web applications using Apache Tomcat 6.0 in a Linux environment
- Handled and learned to process API calls from a variety of providers
- Learned the frameworks of a successful start-up from upper-year students
- Used my self-taught knowledge of Android SDK to enhance the user interface

Technical Skills:

<i>Languages</i>	Java, JavaScript, C++, Python, C, Ruby, Bash, R
<i>Web</i>	HTML5, CSS3, Less, SASS, Compass (SCSS), Django, NodeJs, Backbone.js, jQuery
<i>Mobile</i>	Android SDK (8+), PhoneGap with jQueryMobile
<i>IDE</i>	Eclipse, Sublime, Atom, Android Studio, Netbeans, jCreator, RubyMine
<i>Source Control</i>	Git, Mercurial, SVN
<i>Bug Tracker</i>	Pivotal Tracker, Jira, RedMine
<i>API</i>	Yelp, Twitter, Google Chart Tools, Dark Sky Forecast

Education:**University of Waterloo:**

Waterloo ON, Canada 2011 -

2016

- Candidate for Bachelors of Computer Science
- Presidents Scholarship for entrance average

Awards and Achievements:

- 3rd place at Google Games 2013 May 2013
 - Worked in a team of 5 tackling multiple challenges such as puzzle solving
 - Wrote and executed code in a limited amount of time to solve a problem
 - Built a giant tower of Legos with rubber ducks on them

Activities and Interests:

- Developing and writing code for fun problems and challenges such as the Google Code Jam and Project Euler (60 problems solved so far)
- Maintain a blog where I express my opinion on the modern tech world and discuss fun challenges I've solved and just exploring fun concepts in mathematics
- Staying active by participating in many outdoor and indoor activities
 - Exercise regularly in an effort to stay healthy
 - Play sports such as badminton, volleyball, and soccer
 - Practice and perform dances with UWHipHop (our local hip hop dance club)

Transcript and References Available Upon Request