Adrian Carolli

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Computer Science (Co-op)
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5+ Years of Web and Software Development

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Summary of Qualifications

Web Development

Advanced	HTML5, CSS3, and JavaScript
Intermediate	React Native, React.js, Node.js, AngularJS, and UX Design
Familiar with	RoR, Backbone.js, Sinatra Express, RSpec, Python and jQuery
APIs	Facebook API, Twitter API, PayPal API, Google Chart API, etc.

Software Development

Platforms	Mac OS X, Windows, Android, iOS, and Linux
Languages	Java (Java 2D, Swing, .Net), C, C++, UNIX and Objective-C
Mobile	iOS Development, Smart TV Development
Exposure	Agile Development, Remote Work, Pair Programming

Employment Experiences

Lead Software Engineer, Penta Medical, Kitchener, Ontario, May. 2017 – present

- Led the design, product roadmap, design sprint, and development of the mobile app
- Developed a React Native Bluetooth app that connects and controls the embedded hardware
- Successfully delivered the mobile app within 2 months on both the Android and iOS play store
- Developed Bluetooth messaging for the embedded hardware (Anaren)
- Worked with the open source community to further progress react native's Bluetooth capabilities
- Currently support the team remotely and in office on a part time basis as needed
- **Key technologies used:** React Native, React.js, Expo, Victory Charts, C, React Native BLE Plx, Anaren

Technical Co-Founder, SparkGig, Waterloo, Ontario, Sept. 2014 – Feb. 2017

- Founded startup SparkGig an online marketplace to hire local, unique performers on any budget, anywhere in the world. Total venture capital raised ~1 million
- $25,000 Winner of VeloCity Fund Finals: Velocity provides four $25,000 grants for the best companies who are current students or recent alumni at the University of Waterloo.
- Led the development of the SparkGig website for several years. Some of the projects I worked on include: improving the onboarding process, full website design, landing page re-design, improving profile quality
- Main role: developer, manager, product developer and technical recruiter
- Hired, managed and led 3 developers; I was mentored by Shyam Sheth (product manager at Google)
- **Key technologies used**: React.js, AngularJS, JavaScript, Node.js, Express.js, HTML, CSS, Git, Asana

Bot Developer, Kik Interactive, Waterloo, Ontario, Jan. 2014 – Apr. 2014

- Developed the front-end / back-end for the Kik Chat Bot Engine which powers the chat bot ecosystem
- Developed a chat bot that replaces facial features of an image of a face with the facial features of a second image
- **Key technologies used:** Python, webapp2, Google App Engine, Python NDB Datastore

Web Application Developer, Oanda, Toronto, Ontario, Jan. 2014 – Apr. 2014

- Led the development of a re-design for Exchange Rates for Business
- Worked on improving a custom CMS used internally
- Recognized in company newsletter as lead developer for Exchange Rates for Business
- **Key technologies used:** Python, WPML, JavaScript, HTML5, CSS3, and jQuery

Agile Engineer, Pivotal Labs (Xtreme Labs), Toronto, Ontario, Apr. 2013 – Dec. 2013 & Sept. 2012 – Dec. 2012

- Worked on iOS, Smart TV and Web projects for high profile clients
- Built internal tools used to plan, develop, manage and measure software products
- Exposure to pair programming and agile development
- Authored and presented a lunch and learn on AngularJS
- **Key technologies used**: Objective-C, RoR, AngularJS, Ember.js, CoffeeScript, HTML5, CSS, and jQuery

Web Developer / Designer, Visibli, Toronto, Ontario, Jan. 2012 – Apr. 2012

- Awarded $4,500 from NSERC for my significant research in text-analysis
- Developed a tool used to analyze Twitter or Facebook accounts - Featured on TheNextWeb.com
- Developed an algorithm that performs a text analysis, extracting keywords of what people are talking about around any set of data; this implementation that I wrote has proven to be invaluable for brands and is saving them money when purchasing twitter advertisements
- Fully re-designed the Visibli user interface
- Developed cron jobs, CakePHP shell scripts that implements Twitter to Facebook functionality
- Developed shell scripts that generate reports for high profile brands
- Implemented A / B testing solutions to investigate usability and increase conversion rates
- Developed a Seesmic Desktop plugin which displays social analytics within the social platform; developed using C#, Silverlight and WPF
- **Key technologies used**: LAMP, CakePHP (MVC), MySQL, C#, Silverlight, WPF, jQuery, HTML, CSS, WordPress
- **Key APIs used**: Twitter API, Facebook API, Bitly API, Google URL Shortener API, Paypal API

Community Involvement

Open Source Developer, Facebook, 2017

- Contributed to the documentation of React.js
- Contributed to the Bluetooth React Native BLE PLX library
- Key technologies used: Git, React Native, BLE, Objective-C, etc.

Meditation React Native App, Apple Developer 2017

- Built a meditation app which is currently in beta—please email me for details
- Key technologies used: React Native, Redux, React Native Flux Router, etc.

Mozilla Firefox Volunteer, Mozilla Inc., 2015

- Added UITelemetry for native search go button in Firefox toolbar.
- Key technologies used: JavaScript, Git, Github, Mercurial

Velocity Resident, University of Waterloo, Waterloo, Ontario, 2013

- As a resident I worked on building a company (SparkGig) with a team of business and web developers

Education

Bachelor of Computer Science (Co-op)

Computer Science (Business Option), University of Waterloo, Ontario, September 2010 – 2015

Scholarships and Awards

Undergraduate Student Research Award (USRA), NSERC, Apr. 2012

- Awarded for my significant research in text analysis at Visibli Inc.

Computer Science Award, Lawrence Park Collegiate Institute, June 2010, 2009

- Awarded for receiving the highest grade and expressing proficiency in Computer Science

Unique Recognition as High School Web Developer, Lawrence Park Collegiate Institute, June 2010

- Recognized for demonstrating admirable initiative and successfully improving the communication among staff, students and parents on the web

For samples of my work visit my portfolio @ http://adriancarolli.surge.sh