

ALLAN HAMZIC

4A Nanotechnology Engineering

MINOR IN PHYSICS -GRADUATING APRIL 2016

ahamzic@uwaterloo.ca
226-929-7699
linkedin.com/in/allanhamzic

Skills

- ♦ **Programming:** C, Matlab, Git, Ruby, Javascript, jQuery, Python, UNIX, HTML5, CSS3/SASS, NoSQL
Adaptive/Collaborative Algorithms, Android, Mathematica
- ♦ **Software:** Excel, Photoshop, Illustrator, Premier, InDesign, Cambridge Engineering Selector, Solidworks
- ♦ **Project Management:** Agile, Burndown Charts, Progress Reports, Executive Visibility, QA, bug tracking
Asana, Trello, Mantis, JIRA
- ♦ **Electrical:** Nanosensors, Batteries and BMS, Signal Processing, I/O Logic for Real Time Monitoring
Silicon Wafer Production and Validation, SMPS, Stepper Motors, Arduino, Beaglebone
- ♦ **Product Design:** UX, Visual, User Stories, User Testing, Concept-to-Production (3 products)

Work Experience

Waterloo Institute for Nanotechnology, Waterloo, ON: Research Assistant, May 2015 - April 2016

- ♦ Worked in the lab of Dr. Chris Backhouse with lab on a chip sensors and medical diagnostics
- ♦ Designed I/O systems for sensor control via Beaglebone interface with ADC and DAC

Erakovic Engineering, Toronto, ON: Jr. IT Consultant, May 2015 - Aug 2015

- ♦ designed website, content management system, and managed IT for engineering consulting firm
- ♦ responsibilities included webserver and mailserver administration, QA and project updates

Intersoft, Dubai, UAE: Systems Engineering, Sept 2013 - Dec 2013

- ♦ Designer and developer on a new valet parking system for malls & businesses to be sold alongside the Intersoft Point-of-Sale system, system is being used in malls and hotels in Dubai and Abu Dhabi
- ♦ Developed basic platform with accompanying business logic, in charge of project management and demos

Insitute for Quantum Computing, Waterloo, ON: Research Assistant, Jan 2013 - April 2013

- ♦ Conducted NMR spectrometer experiments which tested the formation of spin-spin coupled qubits
- ♦ Tested and refined pulse-finding algorithm for the formation and manipulation of qubits (report available)

SAP, Waterloo, ON: User Experience/Project Manager, Sept 2012 - Dec 2012

- ♦ Product design for three apps that were to be planned, developed tested and released
- ♦ Created reports for executive visibility, co-ordinated daily scrum meetings, bug tracking and project demos

Apotex, Toronto, ON: Tech-Ops Engineering, Jan 2012 - April 2012

- ♦ Worked on capping problem in Azithromycin tablets and suggested fix (report available)
- ♦ Created data standardization protocol for use by Technical Operations department

Other Experiences

Formula Electric/Hybrid, August 2012 – Present

- ♦ Designed battery pack specifications, interface with BMS, will build custom BMS for 2016 competition!

Househound, June 2013 – Present – househound.co

- ♦ Real Estate SASS with mobile and web apps, development and sales (mobile app available on [iTunes](https://itunes.apple.com))

Globality, Sept 2013 – Aug 2014 – beglobality.com

- ♦ Platform to support entrepreneurs in the startup process by providing analytics on their own social networks and various support tools; 1200 registered users

Rapid Prototyper

- ♦ Built rapid prototyper at home out of common items found in hardware stores running on Arduino

Interests

