

Valentin Tsatskin

Website: valetin.tsatsk.in

Github: github.com/vtsatskin

Mobile: +1 (226) 972-0662

Email: val@valtsatskin.com

A Brief Overview

- A self-motivated learner, entrepreneur and human being with a desire for tackling complex problems
- Ridiculous amounts of Web, Mobile and Software development knowledge
- Easily excited by Machine Learning and Parallel Processing utilizing massive amounts of data

An Actual Overview

- Machine Learning and Parallel Processing: Neural Networks, GNU Octave, NVIDIA CUDA
- Functional and Imperative Programming Languages: Scala, Ruby, PHP, C++, C#, C
- Everything Web and Mobile: Phonegap, Android, Ruby on Rails, HTML5, CSS3, Javascript
- RDBMS and Document-Oriented Databases: MySQL, MS SQL, MongoDB
- Source control management systems: Git, SVN
- Design & Development methodologies: Agile, Test-Driven Development
- Well-versed with RESTful OAuth-based social networking APIs: Twitter, Facebook, Disqus, LinkedIn, Google+, Tumblr, Foursquare, Stocktwits, Klout
- Power user of OSs (w/ neckbeard status): Mac OS X, Windows, GNU/Linux
- The ability to articulate myself exceptionally in any medium (accepting all challenges)

Education

- Candidate for Bachelor of Applied Sciences, 1B Systems Design Engineering (Specializing in Intelligent Systems), University of Waterloo
 - Human Factors Engineering, Digital Computation, Numerical and Applied Calculus, Matrices and Linear Systems
- Actively Engaged in Coursera Courses
 - Machine Learning, Neural Networks for Machine Learning, Heterogeneous Parallel Programming, Functional Programming Principles in Scala, Human Computer Interaction

Projects

Co-founder of University of Waterloo Mobile Developer Club

- Created a club for facilitating learning and competitions in the Mobile Development ecospace
- Teaching mobile application development through interactive tutorials and structured lesson plans

Twitter-Timeline

Personal (2012-Present)

- Developing a tool to enable Twitter users to view their tweets in a historical manner similar to Facebook's Timeline
- Utilizes Twitter Bootstrap, jQuery, Ruby (Sinatra), MongoDB and Twitter API

HBL

Personal (2012-Present)

- A distributed network of IRC bots for logging, tracking, and identification of users across multiple networks and chat names (aka Big Brother)
- Developing a machine learning algorithm for clustering different user handles into people
- Utilizes Octave, Ruby, Resque, Redis, Cinch, and MongoDB

UW Don Tracker

Personal (2012-Present)

- Developed a cross-platform mobile crowdsourced application to help track University of Waterloo Residence Dons' physical locations for the purposes of efficient partying
- Utilizes Phonegap, Ruby (Sinatra), MongoDB, jQuery Mobile and KnockoutJS

Work Experience

Software Developer

Desire2Learn (Co-Op) (Sept-Present 2012)

- Actively developing the online learning tools used by hundreds of K-12 and Higher Learning institutions worldwide in an Agile Work Environment
- Utilizing C#, ASP.NET, MS SQL, and SVN

Ruby on Rails Web Application Developer

Engagio (Co-Op) (Jan-April 2012)

- Developed a social networking application in a fast-paced Agile environment utilizing Ruby on Rails, MySQL, Solr, and Redis
- Created and optimized existing performance critical components utilizing social networking APIs (Twitter, Facebook, Disqus, LinkedIn, Google+, Tumblr, Foursquare, Klout, StockTwits)
- Researched, introduced and integrated test-driven development into development team's workflow utilizing Rspec, Mocha, FactoryGirl, and Guard
- Responsible for design, development and testing of product's crucial viral components

Web Developer

Conserval Engineering Inc. (Highschool Co-Op) (Feb-July 2011)

- Redesigned monitoring user interface for lobby and showcase display in several commercial and educational environments
- Extended SolarWall monitoring system functionality utilizing PHP, MySQL, and HTML Canvas
- Collaborated with stakeholders to satisfy project requirements in a user-centered iterative design approach

Did you know?

- I started designing websites in grade 6 and managed my school's computer infrastructure by grade 8
- I enjoy making sweet love sounds on my guitar
- I'm a CASI certified snowboard instructor and was my highschool's Ski and Snowboard Race Team Captain. Included with my employment are free snowboarding lessons
- I love hacking into stuff. I once exploited a several thousand dollar contest for fun
- There's lots more to discover about me, why don't we explore together in an interview?