Valentin Tsatskin

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Work Experience

Software Engineering Intern

Jan–April 2015
San Francisco, CA

Reimplemented campaign page to be responsive in AngularJS. Created a spam detection system for campaign comments. Parallelized API acceptance test builds on CircleCI continuous integration system. Led team to redesign internal campaign history tool utilizing Human Centered Design methodology and winning hack week award.

AngularJS, HTML, CSS, Javascript, Ruby on Rails, Human Centered Design

User Experience Designer

Jan–Aug 2014
San Francisco, CA

Redesigned and implemented Firefox's network error pages to increase understandability and error recovery. Designed and prototyped an experimental tab-switching concept in Firefox for Android. Created interaction designs for Firefox OS' mobile data consumption. Facilitated usability studies of experimental versions of Firefox OS. Created a process and tool which facilitates version controlled, open source design.

Prototyping, User Testing, Interaction Design

○ FX-Captive-Portals-Design
○ Fennec-Tab-Experimentation
○ SmartData
○ mozilla-docs

Gesture Controls Software Engineer

May–Aug 2013
Kitchener, ON

Architected the iOS API for the Myo, an armband allowing gesture-based control of the electronics around you. Developed a quadrocopter control system for integration with the Myo.

iOS, API Design, BTLE, Parrot AR.Drone

Software Developer

Sept–Dec 2012
Kitchener, ON

Designed and developed learning tools used by millions of students worldwide. Identified and fixed security issues relating to SQL injection and XSRF. Performed user experience analyses on products.

C#, ASP.Net, Visual Studio, MS SQL, SVN

Projects

 HACK THE NORTH
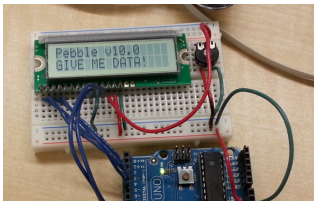
Founding Member and Website Lead

Oct 2013–Present

Kickstarted Canada's largest hackathon attracting 1000+ hackers from 100 schools in 10 countries. Helped define hackathon's vision and values. Leading website engineering and design team to create application page for 1000s of applicants.

React, Reflux, Data-driven decisions.

NavajoChat

PennApps Hackathon
Philadelphia, PA

Created a Chrome extension which integrates with Facebook Messenger to encrypt your messages from the NSA.

http://youtu.be/UDh5X_RjTPY

 NavajoChat

Lunch Roulette

Hacktech Hackathon
Santa Monica, CA

Designed Android app which pairs you with people who want to get lunch in your area. Used low-fidelity paper prototyping to do user testing and design validation. Created high fidelity designs and interaction specifications once design was validated.

http://youtu.be/saIIK2d_2TU

http://valentin.tsatsk.in/ projects/lunch.roulette.pdf

Pebble v10

Used an Arduino to power an LCD screen to display arbitrary text over a serial connection.

Arduino, Ruby

 Pebble-v10

Waterloo Mobile Developers Club

Founded the University of Waterloo mobile developers club. Facilitated workshops on HTML5 mobile development.

Education

Systems Design Engineering
BASc, University of Waterloo, 3A, 2017

+Acumen
Human-Centered Design

Coursera
Machine Learning,
Human-Computer Interaction,
Functional Programming Principles in Scala,
Principles of Reactive Programming