

# SORIN MUCHI

github.com/sorinmuch  
sorin.muchi@gmail.com  
(514) 431-5451

## EMPLOYMENT

<b>Fortinet</b>	<b>Software Engineer</b>	<b>Sept 2017 - now</b>
<ul style="list-style-type: none"><li>Introduced new licenses, which increased revenue, by implementing the UI for the underlying features.</li><li>Improved customer satisfaction by fixing high-impact customer support bugs across the entire web stack.</li><li>Provided visibility into user interactions with our product by prototyping a telemetry solution.</li><li>Ranked 2nd out of 10 in an internal company-wide CTF-style network security competition.</li><li>Stack: C, Python, JavaScript, Apache, Django, AngularJS, Stylus, CSS, REST API</li></ul>		
<b>Microsoft, Microsoft Garage</b>	<b>Software Engineer Intern</b>	<b>May - Aug 2017</b>
<ul style="list-style-type: none"><li>Led a team of 6 interns to build a user-centric design-focused iOS transit application and scalable backend.</li><li>Exceeded project's Machine Learning requirements by building a ML pipeline able to predict bus crowdedness per stop per time of day at 80–90% accuracy levels.</li><li>Stack: Azure, ASP.NET, C#, Xamarin, iOS, Deep Neural Networks, Decision Trees, SVMs, Python</li></ul>		
<b>Genetec</b>	<b>Software Engineer Intern</b>	<b>Jan - Aug 2016</b>
<ul style="list-style-type: none"><li>Expanded product integrations by 10% by fixing critical SIP stack bugs and certifying the compatibility of several 3rd party devices.</li><li>Improved customer satisfaction by implementing GUI features requested by key customers.</li><li>Stack: F#, Erlang, C#, SIP, Audio/Video Codecs, UDP</li></ul>		
<b>Social Orra</b>	<b>Software Engineer Intern</b>	<b>May - Aug 2015</b>
<ul style="list-style-type: none"><li>Bootstrapped the company's MVP by prototyping a full stack web application for a social media management startup.</li><li>Stack: Java, Scala, JavaScript, Akka, Play, AngularJS</li></ul>		
<b>Ericsson</b>	<b>Software Engineer Intern</b>	<b>May - Aug 2014</b>
<ul style="list-style-type: none"><li>Increased logging efficiency in production by 10x by migrating the logging system from LOG4J to SLF4J.</li><li>Stack: Java, Bash, Unix</li></ul>		

## EDUCATION

<b>McGill University</b>	<b>B.A. Computer Science</b>	<b>Sept 2013 - Apr 2017</b>
<ul style="list-style-type: none"><li><b>Image Classification Machine Learning Competition.</b> (2017) Placed 3/50 in mixed Ugrad/Grad class contest.</li><li><b>Sponsorship Lead, Hack McGill.</b> (2015-17) Led a sponsorship team of 3 to raise \$100k/yr. 10% increase YOY.</li><li><b>CS Tutor, CS Undergrad Society.</b> (2015) Held weekly office hours, tutoring Computer Science students.</li><li><b>Arts and Science 1971 International Bursary.</b> (2013) Merit based entrance scholarship awarded to select students from former Warsaw Pact countries.</li></ul>		

## PROJECTS

<ul style="list-style-type: none"><li><b>Self-Driving Car Nanodegree, Udacity</b> (2018) Deep Learning and Computer Vision projects. TensorFlow, Keras</li><li><b>Image Classification</b> (2017). ImageNet subset image classification. 3rd pl. 91% 1-class acc. ML. TensorFlow.</li><li><b>Settlers of Catan</b> (2017). 3D P2P multiplayer implementation of the classing board game, using Unity.</li><li><b>NoteEx</b> (2016). Gameified note exchange platform for students. Ruby, Ruby on Rails, JavaScript, jQuery.</li><li><b>Russian Transliteration</b> (2015). Chrome plugin to introduce tooltips with phonetics for Cyrillic text. Hackathon.</li></ul>		
---	--	--

## LANGUAGES AND TECHNOLOGIES

<ul style="list-style-type: none"><li><b>Languages:</b> JavaScript, ES6+, Python, Java, C, F#, C#, OCaml, SQL</li><li><b>Frameworks:</b> Django, AngularJS, Express, Ruby on Rails</li><li><b>Machine Learning:</b> Keras, TensorFlow, pandas, NumPy, scikit-learn, OpenCV</li><li><b>Other:</b> Linux, git, TCP/IP, jQuery, gulp, grunt</li></ul>		
--	--	--