

# SORIN MUCHI

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

## EMPLOYMENT

<b>Fortinet</b>	<b>Software Developer</b>	<b>Sept 2017 - now</b>
<ul style="list-style-type: none"><li>• Ranked 2nd out of 10 in an internal developer-only network security CTF-style competition.</li><li>• Implemented the UI for 3 large features, fixed 100s of bugs across the entire web stack.</li><li>• Championed the use of telemetry and prototyped a user behavior data-gathering solution.</li><li>• Stack: AngularJS, Django, CSS, JavaScript, Python, c, REST API.</li></ul>		
<b>Microsoft</b>	<b>Software Developer Intern</b>	<b>Summer 2017</b>
<ul style="list-style-type: none"><li>• Exceeded key project requirement by building a Machine Learning pipeline to predict bus crowdedness per stop per time of day, which achieved 70 to 90% accuracy levels for up to 3 month prediction intervals.</li><li>• Stack: Deep Neural Networks, Decision Trees, SVMs, Python, Azure.</li></ul>		
<b>Genetec</b>	<b>Software Developer Intern</b>	<b>Spring, Summer 2016</b>
<ul style="list-style-type: none"><li>• Achieved 10% expansion in product integration by fixing critical SIP stack bugs, and certifying compatible several 3rd party devices.</li><li>• Implemented several 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 Developer Intern</b>	<b>Summer 2015</b>
<ul style="list-style-type: none"><li>• Bootstrapped 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 Developer Intern</b>	<b>Summer 2014</b>
<ul style="list-style-type: none"><li>• Increased logging efficiency 10x in production by migrating logging system from LOG4J to SLF4J.</li><li>• Stack: Java, Bash.</li></ul>		

## EDUCATION

<b>McGill University</b>	<b>B.A. Computer Science</b>	<b>Fall 2013 - Spring 2017</b>
<ul style="list-style-type: none"><li>• <b>Sponsorship Lead, Hack McGill.</b> (2015-17) Lead a sponsorship team of 3 to raise \$100k/yr. 10% increase YOY.</li><li>• <b>Image Classification Machine Learning Competition.</b> (2017) Placed 3rd/50. Mixed BSc/MS/PhD contenders.</li><li>• <b>CS Tutor, CS Undergrad Society.</b> (2015) Held weekly office hours, explained Computer Science concepts.</li><li>• <b>Arts and Science 1971 International Bursary.</b> (2013) Merit based entrance scholarship awarded to selected students from former Warsaw Pact countries.</li></ul>		

## PROJECTS

- **Self-Driving Car Nanodegree, Udacity** (2018) Deep Learning and Computer Vision projects.
- **Image Classification** (2017). ImageNet subset image classification. 3rd pl. 91% 1-class acc. ML. TensorFlow.
- **Settlers of Catan** (2017). Settlers of Catan board game implementation. Class project, team of 5. C#, Unity.
- **Russian Transliteration** (2016). Chrome plugin to introduce tooltips with phonetics for Cyrillic text. Hackathon/Group/JS.

## LANGUAGES AND TECHNOLOGIES

- Python, Java, c, F#, C#, SQL, JavaScript
- TensorFlow, OpenCV, NumPy, Pandas
- Django, AngularJS, jQuery