

# SORIN MUCHI

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## EMPLOYMENT

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<b>Fortinet</b>	<b>Software Developer</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: AngularJS, Django, CSS, JavaScript, Python, C, REST API.</li></ul>		
<b>Microsoft</b>	<b>Software Developer Intern</b>	<b>May - Aug 2017</b>
<ul style="list-style-type: none"><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: Deep Neural Networks, Decision Trees, SVMs, Python, Azure.</li></ul>		
<b>Genetec</b>	<b>Software Developer 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 Developer 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 Developer 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

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<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

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- **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). 3D P2P multiplayer implementation of the classing board game, using Unity.
- **Russian Transliteration** (2015). Chrome plugin to introduce tooltips with phonetics for Cyrillic text. Hackathon.

## LANGUAGES AND TECHNOLOGIES

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- **Languages:** JavaScript, Python, Java, C, F#, C#, OCaml, SQL
- **Frameworks:** Django, AngularJS, jQuery
- **Machine Learning:** TensorFlow, pandas, NumPy, scikit-learn, OpenCV