

SORIN MUCHI

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EMPLOYMENT

Fortinet FortiOS GUI	Web Developer 1	Sept 2017 - now
<ul style="list-style-type: none">Implemented the UI for 3 GUI Features, fixed 100s of bugs across the entire web stack.Ranked 2nd out of 10 in an internal network security CTF-style competition. Teams of 2.Stack: AngularJS, Django, CSS, JavaScript, Python, c, REST API.		
Microsoft	Software Developer Intern	May 2017 - Aug 2017
<ul style="list-style-type: none">Lead the Machine Learning sub-project and built a Machine Learning pipeline to predict bus crowdedness per stop per time of day, which achieved 90% accuracy for 3-month forecasts.Stack: Deep Neural Networks, Decision Trees, SVMs, Python, Azure Compute.		
Genetec	Software Engineer Intern	Jan 2016 - Sept 2016
<ul style="list-style-type: none">Built several GUI components and fixed multiple bugs in the networking stack.Stack: F#, Erlang, C#, SIP, Audio/Video Codecs, UDP.		
Ericsson	Software Engineer Intern	Summer 2014
<p>Visual Studio Core (Summer 2003)</p> <ul style="list-style-type: none">Migrated logging system from LOG4J to SLF4J and increased logging efficiency 10x in production.Stack: Java, Bash, Network Infrastructure.		

EDUCATION

Udacity Self-Driving Car Nanodegree	Vancouver, BC	April 2018 - Dec 2018
McGill University B.A. Computer Science	Montreal, QC	Sept 2013 - May 2017

TECHNICAL EXPERIENCE

Projects

- Lane Detection** (2018). Dashcam video lane detection and overlay. Computer Vision. Python, OpenCV.
- 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. JavaScript.

ADDITIONAL EXPERIENCE AND AWARDS

- Arts and Science 1971 International Bursary, McGill University.** (2013) Merit based entrance scholarship awarded to students from former Warsaw Pact countries.
- 3rd Place, Image Classification Machine Learning Competition, McGill University.** (2017) Team of 3 placed 3rd out of 50 in class-based mixed undergrad/grad image classification student competition.
- Comp-Sci Tutor, CSUS, McGill University.** (2015) Held weekly office hours, explained Comp-Sci concepts.
- Sponsorship Lead, HackMcGill, McGill University.** (2015-2017) Hackathon logistics and fundraising. Personally raised \$30k out of total of \$100k.

LANGUAGES AND TECHNOLOGIES

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