SORIN MUCHI

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EMPLOYMENT

Fortinet	Software Developer 1	Sept 2017 - now

FortiOS Web UI development.
- Implemented the UI for 3 large 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

Microsoft Garage internship in a startup-like environment.
- Owned the Machine Learning part of the intern-lead project and built a Machine Learning pipeline to predict bus crowdedness per stop per time of day, which achieved 70 to 90% accuracy levels.
- Stack: Deep Neural Networks, Decision Trees, SVMs, Python, Azure.

Genetec	Software Engineer Intern	Jan 2016 - Sept 2016

Sipelia Team, A/V communication for a physical security solution.
- 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

Content Delivery Network Team.
- Migrated logging system from LOG4J to SLF4J and increased logging efficiency 10x in production.
- Stack: Java, Bash, Network Infrastructure.

EDUCATION

Udacity	Vancouver, BC	April 2018 - Dec 2018

Self-Driving Car Nanodegree

McGIll University	Montreal, QC	Sept 2013 - May 2017

B.A. Computer Science

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. 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