SORIN MUCHI

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EMPLOYMENT

Fortinet	**Software Engineer**	**Sept 2017 - now**

- Introduced new licenses, which increased revenue, by implementing the UI for the underlying features.
- Improved customer satisfaction by fixing high-impact customer support bugs across the entire web stack.
- Provided visibility into user interactions with our product by prototyping a telemetry solution.
- Ranked 2nd out of 10 in an internal company-wide CTF-style network security competition.
- Stack: C, Python, JavaScript, Apache, Django, AngularJS, Stylus, CSS, REST API

Microsoft, Microsoft Garage	**Software Engineer Intern**	**May - Aug 2017**

- 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.
- Stack: Azure, ASP.NET, C#, Xamarin, iOS, Deep Neural Networks, Decision Trees, SVMs, Python

Genetec	**Software Engineer Intern**	**Jan - Aug 2016**

- Expanded product integrations by 10% by fixing critical SIP stack bugs and certifying the compatibility of several 3rd party devices.
- Improved customer satisfaction by implementing GUI features requested by key customers.
- Stack: F#, Erlang, C#, SIP, Audio/Video Codecs, UDP

Social Orra	**Software Engineer Intern**	**May - Aug 2015**

- Bootstrapped the company's MVP by prototyping a full stack web application for a social media management startup.
- Stack: Java, Scala, JavaScript, Akka, Play, AngularJS

Ericsson	**Software Engineer Intern**	**May - Aug 2014**

- Increased logging efficiency in production by 10x by migrating the logging system from LOG4J to SLF4J.
- Stack: Java, Bash, Unix

EDUCATION

McGIll University	**B.A. Computer Science**	**Sept 2013 - Apr 2017**

- **Image Classification Machine Learning Competition.** (2017) Placed 3/50 in mixed Ugrad/Grad class contest.
- **Sponsorship Lead, Hack McGill.** (2015-17) Led a sponsorship team of 3 to raise $100k/yr. 10% increase YOY.
- **CS Tutor, CS Undergrad Society.** (2015) Held weekly office hours, tutoring Computer Science students.
- **Arts and Science 1971 International Bursary.** (2013) Merit based entrance scholarship awarded to select students from former Warsaw Pact countries.

PROJECTS

- **Self-Driving Car Nanodegree, Udacity** (2018) Deep Learning and Computer Vision projects. TensorFlow, Keras
- **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 classic board game, using Unity.
- **NoteEx** (2016). Gameified note exchange platform for students. Ruby, Ruby on Rails, JavaScript, jQuery.
- **Russian Transliteration** (2015). Chrome plugin to introduce tooltips with phonetics for Cyrillic text. Hackathon.

LANGUAGES AND TECHNOLOGIES

- **Languages**: JavaScript, ES6+, Python, Java, C, F#, C#, OCaml, SQL
- **Frameworks**: Django, AngularJS, Express, Ruby on Rails
- **Machine Learning**: Keras, TensorFlow, pandas, NumPy, scikit-learn, OpenCV
- **Other**: Linux, git, TCP/IP, jQuery, gulp, grunt