Dmitrij Petters

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EDUCATION

Massachusetts Institute of Technology: GPA 4.6/5.0   **Cambridge, MA**
Candidate for Master of Engineering in Computer Systems   Sep 2009 - Present
Bachelor of Science in Computer Science and Engineering

- SAT Math II: 800/800   SAT Physics: 800/800
- Relevant Coursework: Distributed Systems, Computer Language Engineering, Computer System Architecture, Design and Analysis of Algorithms, Performance Engineering of Software Systems, Computer System Security, Artificial Intelligence, Probabilistic Systems

Bellevue College: GPA 3.98/4.0 (supplemented high school curriculum)   **Bellevue, WA**
Associate Engineering Transfer: Track 2 with High Distinction   Sep 2007 - Jun 2009

WORK EXPERIENCE

MIT CSAIL   **Cambridge, MA**
Graduate Researcher   Jan 2013 – Present

- Working on DroidSafe, an automated program analysis system for detecting malware in deployed Android applications.
- Implemented an efficient abstract interpretation framework for resolving security-sensitive values and information flow sources.

Microsoft   **Bellevue, WA**
Software Development Intern   Jun 2012 – Aug 2012

- Implemented a layout-preserving graph layout algorithm and a graph diff visualizer for Bing Ranking's machine learning experimentation platform.

Mozilla Corporation   **Mountain View, CA**
Native Android Mobile Engineer   Jan 2012 – Feb 2012

- Worked on a new native UI for the tablet version of Firefox for Android.

Susquehanna International Group   **Bala Cynwyd, PA**
Technology Intern   Jun 2011 – Aug 2011

- Designed and developed a Splunk-like log aggregation/analytics system on a Linux node cluster using Hadoop, HBase, Hive, Flume, Thrift and Zookeeper. Used Django for the front end. Allowed SQL-like querying of terabytes of log data of by user, machine, time, etc.

Athena Capital Research   **New York, NY**
Software Engineer Extern   Jan 2011 - Feb 2011

- Created a risk graphing utility which used trader log data to simulate past activity, populate a cache, and visualize long/short positions, exposure and limits over time. Used Highcharts, ExtJS for front end, C++, Pion networking and Boost libraries in the backend.

Thomson Reuters   **Eagan, MN**
Software Development Intern   Jun 2010 - Aug 2010

- Worked as team member of the website vertical – fixed high priority bugs, developed new features, attended scrums/planning meetings.

ACTIVITIES/LEADERSHIP

Readyforce   **Cambridge, MA**
Advisor   Dec 2012 - Present
- Joined Board of Advisors after the acquisition of Umeqo, a recruiting start-up I founded at MIT.
- Helping raise visibility of the combined Readyforce/Umeqo platform at MIT and other universities.

Traders@MIT   **Cambridge, MA**
Exec Board   Nov 2009 – Present
- Developed a commodity trading case for the Fall Trading Competition. Re-designed the website from the ground up.

MIT / BHS Outdoor and Indoor Track and Field and Cross Country   **Cambridge, MA**
Varsity Runner   Aug 2005 – May 2010
- 9:33 2 mile; 4:32 1 mile; Led BHS team to a 3rd place state finish, an improvement from previous 14th place finish.

SKILLS AND INTERESTS

- Technical – Go, Python (Django), C#, WPF, C/C++, Java, HTML5, CSS3, JavaScript, jQuery, Latex, bash, make
- Languages – Fluent in Russian and English
- Interests – Snowboarding, street hockey, running, and entrepreneurship