Dmitrij Petters

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EDUCATION

Massachusetts Institute of Technology: GPA 4.7/5.0   **Cambridge, MA**
Candidate for Bachelor of Science in Electrical Engineering and Computer Science   Sep 2009 - May 2013

- SAT: 2150   SAT Math II: 800   SAT Physics: 800   ACT: 33
- Awards: Parsons Brinkerhoff National Scholarship, Sparling Company Scholarship and Bellevue Rotary Club Scholarship Recipient
- Relevant Coursework: Software Construction, Digital Communication Systems, Design and Analysis of Algorithms, AI

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

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

- Investigated and fixed a number of bugs related to OpenGL rendering and the next-gen Firefox tablet native UI.
- Added power usage unit tests designed to catch spikes in CPU wake-ups using an automated power model research paper by Google.

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.
- Wrote MapReduce jobs over massive sets of tick data to compare wall and CPU times against same jobs running on the Condor cluster.

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, transfer it into a cache, and graph long/short position, exposure and limits versus 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.
- Developed a data-mining script that used a state machine to extract pertinent info from tens of thousands of 50MB+ logs.

RBM Technologies   **Cambridge, MA**
Software Engineer Extern   Jan 2010 - Feb 2010

- Developed the Ruby on Rails Mobile Visual Merchandising Manager app to allow retail workers to take digital pictures of fixtures and upload them as textures onto their respective floor plan 3D models.

MIT AgeLab   **Cambridge, MA**
Undergraduate Researcher   Oct 2009 – May 2010

- Combined PIL and ffmpeg to produce a video overlay that showed the exact spot in a driving simulation video at which a subject was looking at any given moment. The result was a proof of concept for a project that would allow a driver to make selections visually.

ACTIVITIES/LEADERSHIP

Umeqo (.com)   **Cambridge, MA**
Founder   Feb 2010 - Present

- Umeqo is an innovative recruiting resource for students and employers to discover one another. Launched at MIT early September.
- Django app, uses Fabric, virtualenv, Apache Solr, hosted using Apache, Nginx & mod_wsgi on Linode, collaborating over GitHub.

Traders@MIT   **Cambridge, MA**
Exec Board   Nov 2009 – Present

- Developed a commodity trading case for the trading competition. Upgrading the website to allow for better content management & UX.

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 – Python (Django), Java, HTML5, CSS3, JavaScript (jQuery, ExtJs), Latex, bash, with some knowledge of C++
- Languages – Fluent in Russian and English
- Interests – TED talks, street hockey, running, and entrepreneurship