07/17/2011 Resume Book
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Employer1

Dmitrij Petters   1

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EDUCATION

Massachusetts Institute of Technology: GPA 4.8/5.0   **Cambridge, MA**
Bachelor of Science in Computer Science/Electrical Engineering & Mathematics   Sep 2009 - May 2013

- SAT: 2150   SAT Math II: 800   SAT Physic: 800   ACT: 33
- Awards: Parsons Brinkerhoff National Scholarship, Sparling Company Scholarship and Bellevue Rotary Club Scholarship Recipient
- Relevant Coursework: Software Construction, Digital Communication Systems, Intro to Algorithms, Computation Structures

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

Susquehanna International Group   **Bala Cynwyd, PA**
Technology Intern   Jun 2011 - Now

- Set up a Hadoop cluster on two dozen Windows nodes. Currently using mrjob to run workflows on both structured and unstructured data. The goal is to compare performance of the MapReduce tasks to traditional implementations running on the existing Condor setup.
- Wrote python and bash scripts to nightly create caches on the Condor cluster nodes using MySQL data logged from daily workflows.

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.
- Wrote an ExtJS plugin to export GridPanels and its subclasses to CSV and XLS.

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 design/planning meetings.
- Developed a data-mining script that used a state machine to extract pertinent info from tens of thousands of 50MB+ logs.
- Added a new, automated entry point into flagship product WestlawNext with check for Akamai & pinging of other servers.

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.
- Programmed an automated RML based report using the RML2PDF conversion library which summarized nation-wide advertising campaigns for cellular firms such as Verizon, AT&T and T-Mobile.

MIT AgeLab   **Cambridge, MA**
Undergraduate Researcher   Oct 2009 - May2010

- 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**
Co-Founder/Developer   Feb 2010 - Present

- Launching the new recruiting resource for students and employers early September, with the Beta available for both parties late July.
- Developed the initial foundation for the site during the school year. Now collaborating with Zach Dearing and Joshua Ma over GitHub.

Traders@MIT   **Cambridge, MA**
Exec Board   Nov 2009 – Oct 2010

- Developing an OTC trading client that will be used for a trading simulation during the annual Traders@MIT competition in November.

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 Bellevue High School team to a 3rd place state finish, an improvement from previous 14th place finish.

SKILLS AND INTERESTS

- Technical – Java, Python, Django, JavaScript, jQuery, ExtJs, CSS, LaTeX with minor experience in C++, bash, batch
- Languages – Fluent in Russian
- Interests – TED talks, poker, street hockey, and entrepreneurship