Dmitrij Petters

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EDUCATION

Massachusetts Institute of Technology: GPA 5.0/5.0   **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

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
- Crafted a set of interactive JavaScript widgets with custom form validation as well as a jQuery plug-in for e-mail text areas

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 Python, PIL and ffmpeg to produce a video overlay that showed the exact spot in a simulation video at which a subject was looking at any given moment. Skewed gaze data had to be translated before use
- Researched the possibility of a heads up display projected on the windshield of a laboratory car, which, using the FaceLab gaze tracking system and data correction algorithms would allow a user to make selections visually

ACTIVITIES/LEADERSHIP

SBC (Sloan Business Club)   **Cambridge, MA**
Entrepreneurship Project Development Leader   Feb 2010 - Present

- Lead developer of SBConnect, a Django employer-student interaction webapp featuring events, invitations, resume book creation, etc.
  - Collaborating with a UI designer through GitHub, currently working on resume parsing, C++ search backend and AJAX filtering

Four Consulting   **Cambridge, MA**
Client Development Team Lead   Nov 2009 – Oct 2010

- Furthered the club's influence and the impact our work makes on non-student run organizations; worked on internal development case

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 – Java, Python, C++, Django, JavaScript, jQuery, ExtJs, CSS, LaTeX
- Languages – Fluent in Russian
- Interests – TED talks, street hockey, and entrepreneurship