

Martin Petrov

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811 Main St.
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Research, Institute for Advanced Computer Studies, UMD June 2010 - Present

- Wrote Python scripts to manipulate large collections of XML files.
- Developed Amazon Mechanical Turk tasks for use in natural language sentiment analysis.

Teaching Assistant, CS132 - Object Oriented Programming Feb. 2010 - May 2010

- Held office hours and assisted students with programming assignments and debugging.
- Graded programming projects, midterms, and final exams.

Research, Mechanical Engineering, UMD Jan. 2009 - June 2010

- Refactored existing C++ code; developed project lifecycle tools.
- Created Java and OpenGL visualizations.
- Wrote code to track and estimate the positions of objects using stereo computer vision.
- Optimized and wrote computational geometry algorithms.
- Designed and implemented MFC interfaces for Win32, as well as Rails based web interfaces.

Education & Course Work

B.S. in Computer Science, University of Maryland Major GPA: 3.88
GPA:3.46 Anticipated Date of Graduation: Dec. 2010

Computer Science (Major)

Bioinformatics, Computer Organization, Algorithms
Data Structures, Object Oriented Programming

Mathematics (Minor)

Abstract Algebra, Linear Algebra, Differential Equations,
Fourier Analysis, MV Calculus w. Analysis, Statistics

Technical Skills

Operating Systems Programming Languages

Mac OS X, Linux, Windows, iPhone, OpenBSD
C, C++, Java, Objective-C, Ruby, Python
Assembly (x86, ARM, Java), Erlang

Web and Markup Databases

LaTeX, Rails, PHP, CSS, HTML, JavaScript, XML
ActiveRecord, MySQL, SQLite

GUI Toolkits

Cocoa/UIKit, AWT/Swing, SWT, MFC

Foreign Languages

Bulgarian, French