

Martin Petrov

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811 Main Street
Gaithersburg MD, 20878

Experience

Engineering Intern, Google NYC

May 2011 - Aug. 2011

- Added table styling support to Google Presentation.
- Wrote client-side Javascript code, and server-side Java. Used Protobuffers for serialization.
- Created design docs for the styling feature by examining PowerPoint behavior.
- Submitted various bug fixes.

Research, Institute for Advanced Computer Studies, UMD

June 2010 - Dec. 2010

- 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. Graded projects and exams.

Research, Mechanical Engineering, UMD

May 2009 - Dec. 2010

- Refactored existing C++ code; developed project lifecycle tools using MFC on Win32.
- Implemented some computational geometry algorithms for processing stereolithography files.
- Created Java and OpenGL visualizations, deployed these as a Rails application.
- Wrote code to track and estimate the positions of objects using stereo computer vision.

Tutoring

Feb. 2010 - May 2010

- Tutored Data Structures, Organization of Programming Languages, and Computer Systems.

Education and Course Work

MSIT in Software Engineering, Carnegie Mellon

Currently enrolled in CMU's MSIT program, anticipated date of graduation is August 2012.

BS in Computer Science, University of Maryland

Major GPA: 3.90

Graduated with a cumulative GPA of 3.52 in December 2010; minored in Mathematics.

Computer Science	Algorithms, Bioinformatics, Computer Organization, Data Structures, Databases, Object Oriented Programming, Operating Systems (NT Kernel), Software Engineering
Mathematics	Abstract Algebra, Linear Algebra, Differential Equations, Fourier Analysis, MV Calculus w. Analysis, Statistics

Technical Skills

Operating Systems	Mac OS X, Linux, Windows, iOS
Programming Languages	ANSI C, C++, Objective-C, Erlang, Java, JavaScript, Ruby, Python, Assembly (x86, ARM)
Web and Markup	L ^A T _E X, Rails, CSS, HTML, XML
Databases	SQL (MySQL, SQLite, Oracle), ActiveRecord, Mnesia
GUI Toolkits	Cocoa/UIKit, AWT/Swing, SWT, MFC