MICHAEL FICARRA

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OBJECTIVE   Full-time position in the software design/engineering field

EDUCATION   Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science in Computer Science
Degree completed October 2010, awarded February 2011

Related Coursework

Software Engineering	Database Systems
Operating Systems	Computer Architecture
Discrete Mathematics	Algorithms
Object-Oriented Design Concepts	Software Security Engineering
Object-Oriented Analysis & Design	
Machine Organization & Assembly Lanugage	
Techniques of Programming Language Translation	
WebWare: Computational Technology for Network Information Systems	

Related Project

Major Qualifying Project   *August to October 2010*
Currently doing experimental research and analysis on an algorithm known as The Chase.
More information upon request.

TECHNICAL SKILLS

LANGUAGES

Extremely Proficient	JavaScript, Ruby, CoffeeScript, PHP, XHTML, CSS, SQL
Proficient	Haskell, C, C++, Java, shell scripting, rexical/racc, alex/happy
Familiar	PASCAL, Perl, Scheme, lex/yacc, C#
Interested	Boo, Python, Erlang, SmallTalk, Go, F#

OPERATING SYSTEMS   Fedora, Windows, RHEL, Ubuntu, almost any Linux distribution

APPLICATIONS   vim, most Unix utilities, Apache HTTP Server, Notepad++, Max/MSP, Adobe Photoshop, Microsoft Office

EXPERIENCE   *Google Caja Intern, Google Summer of Code 2010*   *May to August 2010*
Caja is a Google project, the goal of which is to transform untrusted JavaScript into JavaScript that can be safely run in a trusted environment. Determined why popular JS libraries would not compile and proposed fixes to both the Caja and library developers.

Web Application Developer, Solstice Technologies   *January 2008 to August 2010*
Worked on and managed projects that requre the use of a server-side scripting language, most commonly PHP, and a database such as MySQL. Projects are taken from basic concept to finished product through collaboration and teamwork with fellow employees.

Intern, Skarven Enterprises, Berkeley Heights, NJ   *May to August 2009*
Designed and implemented a custom programming language to be used by people with little prior knowledge of programming languages to create integration tests for the company's main product. The compiler and interpreter for the custom language were written entirely in Ruby and on a Linux OS.

PERSONAL   Github: http://github.com/michaelficarra