

Xavier Ramirez

109 Franklin Street Apt. 1
Watertown, MA 02472

(956) 358-8629
xavi.rmz@gmail.com

Education	Massachusetts Institute of Technology Cambridge, MA <i>Course Work:</i> Introduction to Algorithms, Computer System Engineering, Laboratory in Software Engineering, Advance Symbolic Programming, Computation Structures, Computational Cognitive Science, Mathematics for Computer Science (Discrete Math), Artificial Intelligence, Structure and Interpretation of Computer Programs
	Mission High School Mission, TX May 2003 with honors, Salutatorian. Coursework included independent study in Computer Science and Mathematics
	University of Texas Pan American Edinburg, TX <i>Course Work:</i> Java and C++ Programming classes
Experience	VistaPrint Limited Lexington, MA <i>Software Developer</i> (June 2008) <ul style="list-style-type: none">♦ Debug and implement miscellaneous frontend and backend features in large (20+ million lines) code base across various programming languages: C#, VB.NET, SQL, JavaScript, CSS, and HTML♦ Lead developer and maintainer of the Logo Tool, a web application which helps users create custom logos, and of the Design Wizard, a web application which lets users design documents with a step-by-step process and automatic text placement♦ Developed a Adobe Illustrator plug-in, written in C++, to help art designers create new logo content♦ Helped maintain the order check out process♦ Submitted a US patent for creating dozens of variations from one logo icon
	Microsoft Corporation (AdCenter – Display Ads Platform) Redmond, WA <i>Intern</i> (Summer 2006) <ul style="list-style-type: none">♦ Designed and implemented a tool, called Banner Image Ad Builder (BIAB), that allowed users to created animated advertisements from scratch or pre-defined templates and render the ad in various formats♦ Designed BIAB with enough flexibility that templates, animations, ad formats, and storage mechanism can easily be added or removed at a later time♦ Wrote documents specifying the functionality and design of BIAB♦ Presented BIAB to the AdCenter vice president, general manager, and developer leads
	Stottler Henke Associates, Inc. Somerville, MA <i>Intern</i> (Summer 2005) <ul style="list-style-type: none">♦ Designed and implemented a virtual character using Java3D as well as an interface to control the character's facial features using Swing♦ Designed a rudimentary emotions engine based on research in applied artificial intelligence, which was used to drive a virtual character's facial features and actions♦ Created several swing applications that presented educational information to users♦ Met with customers to demo and discuss software features
	6.270 - Autonomous Robot Design Competition (MIT) Cambridge, MA <i>Teacher Assistant</i> (January 2005) <ul style="list-style-type: none">♦ Assisted participants with designing both hardware and software aspects of their robots as well as help trouble shoot any problems♦ Designed and implemented a placebo robot, the purpose of which is to act as entertainment for crowd as teams with a bye compete♦ Familiarized myself with the functions and capabilities of the Handy Board, a microcontroller based on the Motorola 68HC11 microprocessor
	Edgerton Center (MIT) Cambridge, MA <i>Lab Assistant</i> (Summer 2004) <ul style="list-style-type: none">♦ Assisted in the designing, prototyping, and testing components for several projects♦ Exposed to circuit design, rudimentary machining, and PIC programming.
Skills	Programming: <i>Proficient in:</i> C#, JavaScript, CSS, HTML <i>Experience with:</i> Java, SQL, C/C++, Python, Scala, VB.NET, Scheme, Bash Scripts, XML Software: Visual Studio, Eclipse, Microsoft Windows (2003 Vista XP 9x ME), Microsoft Office, Paint.NET
Honors	Top 8 contestant in Robocraft (6.370) seeding tournament, Selected as best research project in managerial psychology, Two year U.I.L. Regional Champion Computer Science, Global Science Scholars (Lucent Technologies), Graduated Mission High School with Honors, National Hispanic Scholar
Personal	<i>Website:</i> http://www.the-xavi.com