

Objective

Knowledgeable and creative software engineer pursuing a position with a company that develops cutting edge products and/or provides exceptional services

Experience

School Projects

Computer Vision (Current)

- Will design and implement face detection, object detection, template matching, edge detection, and registration and classification of images for search applications

Artificial Intelligence (Fall 09)

- Designed systems in computer vision, gesture recognition, face detection and tracking, neural nets, computer learning, natural language processing and robot planning (lcarrasco.com/ai/p1/, lcarrasco.com/ai/p2/, lcarrasco.com/ai/p3/)

Algorithms (Spring 09)

- Created rich applications using cutting edge algorithms. Some examples include a solution to the traveling salesman problem, a general Sudoku solver (lcarrasco.com), artificial intelligence gaming

Software Engineering (Spring 08)

- Gained experience creating windows and Linux software in the areas of graphics and gaming

Hardware (Various)

- Programmed stand-alone systems, microchips, wireless communications

Work Experience

Boston University Networked Information Services - Boston MA - (Fall 08 to Present)

- Developed front end for university-wide printing system in PHP and JavaScript (+mobile)
- Collaborated in the implementation of university-wide PHP logo-generator for compliant logos
- Developed library map to assist users finding their way to available pc's (working on web-app)
- Updated BU-Maps database of different buildings and facilities
- Assisted in developing survey system for university-wide surveys with interactive results
- Designed sites for Agganis Arena, BU Central, BU Maps, and One Help
- Developed numerous JavaScript scripts for front end of applications

Microsoft - Waltham MA - (Summer 08)

- Invited to attend incubation week
- Lead a team of three underclassmen in developing a social networking application using Silverlight and C# in short period of time
- Won award for best solution, implementation and business value

Boston University Soccer Club - Boston MA - (Fall 08 to Present)

- Founded the BU Soccer club in the fall of 08
- Lead the club to receive the social organization of the year for 08/09
- Built and maintained website

Cordis, Johnson and Johnson Internship - Miami FL - (Summer 07)

- Tested, validated, and documented multiple computer system to strict FDA standards

Personal Projects

Wiimote Whiteboard (Present)

- Implemented a simple touchscreen interface for windows using Wiimote Library for .NET, C#
- Currently working on integrating with Win7 multitouch libraries

Degree Info

Boston University
College of Engineering Class of 2010
Bachelor of Science in Computer Eng.

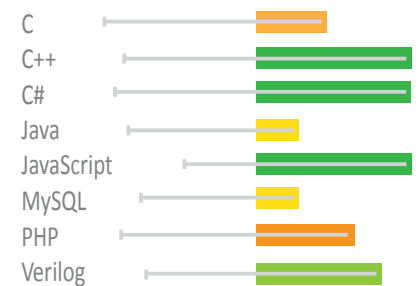
Achievements

- 3.9 GPA in software engineering
- Currently on Dean's List
- Gates Millennium Scholar
- Fluent in Spanish, conversational in French
- Member of INROADS

Skills

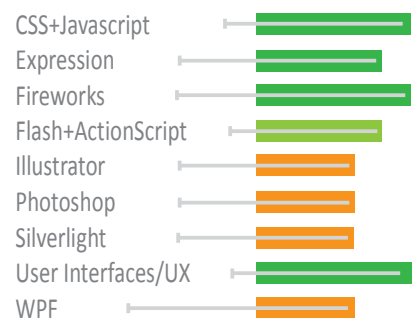
Programming

1 2 3 4 5
good — best



Design

1 2 3 4 5
good — best



Relevant Courses

Artificial Intelligence, Software Design, Senior Design Project, Algorithms, Signals, Operating Systems, Computer Organization, Electronics, Software Engineering, Computer Vision, Web Application Programming