Jon Paul Simonelli

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Education

Skidmore College, Saratoga Springs, NY — B.A. Computer Science, GPA 3.0, 2014

Skills

LANGUAGES/FRAMEWORKS

C#, ASP.NET MVC 5, SQL Server, HTML5/CSS3, JavaScript, jQuery, Bootstrap, GIT, Java, PHP, MySQL, CodeIgniter, Python, Perl, C, Swift

COURSEWORK

Object-Oriented Programming, Data Structures, Algorithms and Complexity, Theory of Computation, Concurrency, Mobile Application Development, Computer Organization and Hardware, Operating Systems, Functional Programming, Discrete Mathematics, Linear Algebra

Projects

Links and source files available at jonpaul.azurewebsites.net

"GASCIOUS" (ASP.NET MVC 5, SQL SERVER, C#)

Breaks down gas costs associated with individual cars and stations by analyzing fill-up history. Utilizes secure authentication and SSH.

"WOODY JONES BUILDERS" (PHP, JS)

Designed and modernized gallery and storefront for local housing contractor by coding mobile-friendly dynamic galleries with Bootstrap, and an automated email system. Preview site available in portfolio.

"TIMELINE" (PHP, MYSQL, JS)

Helps users manage time and goal-setting by tracking progress over time and breaking down activity frequency. Employs AJAX calls for seamless interactivity and Bootstrap for formatting. Hosted at www.timeline-app.com.

"COMPUTER CLUB"

Promoted discussion, tutorage, and collaboration between current and perspective CS students by co-founding club and presenting five keynotes.

"FAMILY FEUD" (JAVA)

Digitized educational game for Skidmore statistics department by implementing MVC pattern for deploying dynamic Swing frames, providing interface to create, save, and load files, and incorporating thread-safe concurrent design. Available on https://GitHub.com/JPTrey/family_feud

"MOBILE AWKWARD ZOMBIE" (PHP, MYSQL)

Improved layout, organization, and reading experience of the "Awkward Zombie" webcomic series by implementing Bootstrap, MySQL, and CodeIgniter.

ANAGRAM SEARCH ENGINE (C)

Parses a string dictionary and matches an input strings to potential anagrams. Focus on memory management, organization through header files, and file input/output.