

WILLEM C. VAN DAALEN

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PROJECTS

PWRSLIDE

FEBRUARY 2014

Demo : wcvd.me/PwrSlide | Source : github.com/wcvandaal/PwrSlide

Open source presentation framework built using web components spec and Polymer.js. Includes responsive theme written in Sass and implemented using the 2012 flexbox spec. Registered with bower and on customelements.io.

RESUME

AUGUST 2013

Source : github.com/wcvandaal/ResuMe

Customizable online resume for small groups of people (C-suite, startup founders, etc.) built with Rails. Implements AJAX for all content creation and editing with fully unobtrusive JavaScript. Page-specific JS uses Garber-Irish implementation to allow for graceful degradation of JS.

ASTEROIDS

JULY 2013

Demo : wcvd.me/Asteroids | Source : github.com/wcvandaal/ResuMe

A redesign of the classic arcade game, my implementation of Asteroids uses the HTML5 canvas element and pure JavaScript (with the revealing module pattern) to handle the in-game physics and object rendering. Asteroid frequency and HP scale relative to the player score to provide a realistic skill curve.

MUSE.CD

APRIL 2013

Source : github.com/wcvandaal/muse

Music discovery web application using Nokogiri and Feedzirra for HTML and RSS/Atom feed parsing to discover newly posted songs on music blogs. Features Facebook login with Devise and Omniauth, AJAX endless pagination, Jaccardian-similarity based recommendations implemented with Sidekiq and Redis.

EXPERIENCE

TRINITY COLLEGE

HARTFORD, CT

Teaching Assistant

September 2013 - December 2013

Led weekly instructional sessions in topics related to introductory web design, including best practices in HTML, CSS, and unobtrusive JavaScript. Consulted regularly with course professor regarding course objectives, in-class assignments and teaching methods.

NYSE EURONEXT

NEW YORK, NY

Intern

June 2011 - August 2011; May 2012 - August 2012

Organized all major logistics for the execution and international live webcast of corporate speaking engagements featuring CEOs of Ford Motor Co. and Yum! Brands, resulting in 86% internal viewership (highest ever). Contributed to creating multi-year strategic partnerships with Bloomberg L.P., LinkedIn, and Discovery Communications.

EDUCATION

TRINITY COLLEGE, CLASS OF 2014

HARTFORD, CT

B.S. Computer Science and Hispanic Studies. 2013 Computer Science Presidential Fellow. Awarded Faculty Honors fall 2009, spring 2011, spring 2012 - fall 2013. Winner of 2013 Travelers Companies Foundation Senior Research Prize for "Muse.cd." Advanced coursework in Networks, Databases, Foundations of Programming Languages, and Web Design. Hispanic Studies senior thesis: "Ojos de España, bocas de México: construyendo una cultura en exilio" (wcvd.me/thesis.pdf).

APP ACADEMY, SUMMER 2013

NEW YORK, NY

An intensive twelve-week full-stack web development program. Topics covered include Ruby on Rails, test-driven development with RSpec, HTTP, SQL, HTML5/CSS3, JavaScript, jQuery, AJAX, Backbone.js, unobtrusive design, and object-oriented design.

TECHNICAL SKILLS

- Ruby, Ruby on Rails, RSpec TDD
- JavaScript, jQuery, Polymer.js, Backbone.js
- HTML5, CSS3, Sass, Responsive Design, Web Components
- SQL [MySQL, SQLite, PostgreSQL]
- VCS: Git, GitHub