James A. Tracy

james.a.tracy@gmail.com
www.jamesatracy.com
www.github.com/jamesatracy
858-229-8706

Education

MA, History of Science, University of California San Diego, 2010
BA, Computer Science, University of San Diego, 2004

Professional Employment

Web Developer | LinkedIn
(April 2013 - Present)

Assist brand and marketing team with microsite implementations using the Adobe CQ5 platform.

Senior Developer | Azalea Health
(September 2010 – March 2013)

Led development of web and cloud-based electronic health records, practice management, and patient portal systems.

Designed a custom Javascript application framework and PHP/MySQL Restful API interface to serve as a new product platform.

Integrated 3rd applications into core products: Electronic Prescribing, Nuance Speech Recognition, and real-time web technologies.

Software Engineer, Senior Software Engineer | Kyocera Wireless Corp.
(March 2004 – September 2007)

Assisted with the integration of third party messaging (SMS and MMS), Java virtual machine, and browser clients with core user interface software.

Worked on detailed software and code documentation.

Assisted in the maintenance and development of core user interface software, including the analysis and debugging of change requests, fixing software issues, and merging software changes.

Academic Employment

Reader, Teaching Assistant | UC San Diego
(September 2007 - June 2010)

Plan and led student discussion sections, provided one on one support for students, and graded exams and papers.

Taught college level writing, both formal and informal.

Research Assistant, University of San Diego
Summer 2002

Skills

Database programming
Front-end development
MVC frameworks
Object-oriented programming
Software architecture
User interfaces
Web applications
Website development

Languages

C/C++
CSS
HTML5
Java
Javascript
MySQL
PHP

Web Technologies

Ajax
Backbone.js
jQuery
JSON
Pusher.js
Underscore.js
XML
Wordpress

Source Control

Git/GitHub
Perforce
SVN

Tools

Chrome Dev Tools
FlashFSP
FireBug
FireFTP
LAMP/WAMP
MySQL Workbench
Notepad++
phpMyAdmin

Performed research in the area of automated computer information retrieval (specifically, the vector-space model) in conjunction with a faculty member.

Projects

Azalea EHR | Azalea Health | 2011 - 2013

Web and cloud based Electronic Health Records and Practice Management application. Javascript MVC front-end with a PHP/MySQL back-end and RESTful APIs. Designed and developed overall platform and user interface. Successfully contributed to certification for Meaningful Use Stage 1 (ONC Criteria 2011).

Azaleahealth.com | Azalea Health | 2012 - 2013

Worked closely with Internet Marketing Strategist to redesign the company website. In addition to coding, assisted with the overall layout, marketing presentation, graphic design, and search engine optimization strategies.

Backbone.php | 2012 - Present

Backbone.php is a small collection of php classes that provide structure or scaffolding for a php application or php powered website. It follows the Model, View, Controller (MVC) convention and includes classes for handling routes, database backed models, and HTML views.

Modulerizer.js | 2012

Modulerizer.js is a javascript library that contains loader functionality and dependency management utilities that has no other external dependencies

Halprinlaw.com | 2012

Designed and coded website for bankruptcy lawyer Michael Halprin. Worked with marketing strategist to brainstorm ways to help increase internet based referrals.

Smithhospital.com | Azalea Health | 2011 - 2012

Worked with the Director of Community Relations on the redesign of the Smith Northview Hospital website. Worked with a Human Resources representative on the implementation of a job application submission and administration system that integrates with the main website.

More listed at www.jamesatracy.com

Awards & Honors

UC San Diego Student Book Collection Competition, Graduate Division Winner, 2008, 2009, and 2010

Science Studies Program Research Travel Grant, 2009

History Department/Science Studies Fellowship, 2007-2008

Summer Undergraduate Research Experience Fellowship, University of San Diego, 2002