

# James A. Tracy

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## Education

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

## Professional Employment

**Senior Developer | Azalea Health**  
(September 2010 – Present)

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.

**Senior Software Engineer | Kyocera Wireless Corp.**  
(April 2006 – 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.

**Software Engineer | Kyocera Wireless Corp.**  
(March 2004 – April 2006)

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

**Teaching Assistant, Reader | 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

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

## 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

## Projects

### **Azalea EHR | Azalea Health | 2011 - Present**

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 - Present**

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.

### **Modulizer.js | 2012**

Modulizer.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](http://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