James Tracy

Phone: 858-229-8706
Email: james.a.tracy@gmail.com
Website: www.jamesatracy.com

Education

Master of Arts, History of Science, University of California San Diego, 2010
Bachelor of Arts, Computer Science, University of San Diego, 2004

Skills

Web application development and design, software application architecture and object-oriented programming, user interface development and design, database programming, search engine optimization.

Programming Languages

C/C++, CSS, HTML, Java, Javascript, MySQL, PHP, XML

Frameworks & Technologies

Ajax, Backbone.js, Git, jQuery, LAMP/WAMP, Perforce, phpMyAdmin, Pusher, SVN, Win32, Wordpress

Profiles

GitHub: https://github.com/jamesatracy
LinkedIn: http://www.linkedin.com/in/jamesatracy

Professional Experience

Senior Developer, Azalea Health Innovations, Inc.
September 2010 – Present

- Lead developer for Azalea EHR, a cloud-based electronic health records platform.
- Lead developer for Azalea PHR, a cloud-based patient health portal.
- Contributed to the successful certification of Azalea EHR for Meaningful Use Stage 1.
- Successfully integrated third-party applications to enhance or extend core products: Electronic Prescribing, Nuance Speech Recognition, and Real Time web technologies.
- Developed a custom JavaScript rich application framework and PHP/MySQL Restful API interfaces from the ground up.
- Design and maintenance of websites.
- Design and maintenance of internal bug tracking software.

Technologies: HTML, CSS, PHP, Javascript, jQuery, Backbone.js, MySQL

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.
- Provided supervision and consultation and worked on detailed software and code documentation.

Technologies: C/C++, Windows, ARM Assembly

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.
- Designed, coded, and tested a Windows application that contained a suite of font tools.

Technologies: C/C++, Windows, ARM Assembly

Website Design

www.azaleahealth.com (2012)
www.halprinlaw.com (2012)
www.smithhospital.com (2011)

Academic Experience

Teaching Assistant, University of California, San Diego
September 2008 – June 2010

- Responsible for planning and leading student discussion sections, providing one on one support for students, and grading exams and papers.
- Taught college level writing, both formal and informal, in conjunction with the Sixth College Writing Program.
- Courses: Sixth College Senior Practicum Writing, Controlling Life, Laws of Men and Laws of Nature, Culture, Art, & Technology.

Reader in History, University of California, San Diego
September 2007 – June 2008

- Responsible for grading exams and papers for undergraduate courses in the department of history.
- Courses: Great Stories from the Hebrew Bible, Anthropology and the Hebrew Bible, History of Daosim in China, Science, Technology, & Law in America, The Atom Bomb and the Atomic Age.

Research Assistant, University of San Diego
Summer 2002

- Performed research in the area of automated computer information retrieval in conjunction with faculty member Dr. Eric Jiang.
- Developed and implemented a working information retrieval system, based on the vector-space model, with a graphical user interface using C++ and Win32/MFC.
- Assessed the performance of a variety of different methods and algorithms and presented research results to other participants and professors.

Presentations

- "Battle of the Books: Science Education and America's Culture Wars," Invited Talk. June 12, 2010.
- "A Plea for History: Science and Religion in the Galileo Affair," Public Talk. April 13, 2010.
- "Was the Tennessee Anti-Evolution Law a Symbolic Protest?" Conference. February 5, 2010, January 23, 2010.
- "An Open Road to Learning? Evolution and the Politics of Education in North Carolina and Tennessee, 1925," Conference. October 12, 2009.

Awards & Honors

- UCSD Student Book Collection Competition Graduate Division Winner, 2010, "Charles Darwin: A History of Biography and Interpretation"
- UCSD Student Book Collection Competition Graduate Division Winner, 2009, "The Great Monkey Trial"
- UCSD Student Book Collection Competition Graduate Division Winner, 2008, "Darwinism, Evolution, and Religion"
- History Department/Science Studies Fellowship, 2007-2008