

MICHAEL IRANI

206 1/2 South Arnaz Drive
Beverly Hills, CA 90211
(516) 426-5481
michael@iraniweb.com

Computer Skills

Languages: Python, Java, C++, C, PHP, Perl, Ruby, HTML, XML, JavaScript

Database Vendors: PostgreSQL, MSSQL, Oracle, MySQL

Version Control: git, Subversion, CVS

Operating Systems: Linux, Mac, +-Windows

Frameworks/toolkits: Django, Wicket, PyQT, jQuery, Rails, Mako

Experience

Software Engineer

Digital Domain (March 2009-October 2010)

Production studio; 65+ movie credits include Titanic and The Curious Case of Benjamin Button

- Development stack: Python, PyQT, PostgreSQL, MySQL, Mako, Pyro, SQLAlchemy, Django
- Wrote tool around 3rd party database used to keep multiple sites synchronized on update/creation of data; updates queued when connection lost between sites
- Developed complex additions to system that dealt with inner workings of many core pieces; both internal tools and 3rd party tools
- Updated legacy software, including testing and documentation
- Recommended and implemented infrastructure changes through specifications and documentation
- Wrote many pieces of software that tied in work between varied components, including separate databases, code bases, and APIs
- Wrote many specifications for updates/improvements to system

Software Engineer/Entrepreneur

Pavilion Software (February 2008-November 2008)

Maker of software to organize inventory, maintain Web presence, and manage orders for diamond dealers

- Development stack: Django, Python, PostgreSQL, jQuery, and Apache
- Implemented software solution to fill niche market in diamond industry
- Developed an image and brand message; followed through with marketing effort

Console Engineer

Knoa Software Inc. (October 2006-November 2007)

Developer of a solution to monitor how end-users utilize business applications

- Lead Engineer on reporting console version 5
 - Assembled requirements from customers and colleagues input
 - Experimented with Web frameworks to find most suitable choice for the project (Ruby on Rails, Prado, CakePHP, Smarty, Tapestry, Wicket)
 - Implementation using Wicket framework
- Lead Engineer on reporting console version 4: JSP, Java site making use of JFreeChart
- Demonstration system
 - Implemented a reservation system in Ruby on Rails
 - Synchronized with Active Directory using LDAP to handle user activation
 - Connected to multiple databases to handle complex user interaction
- Part of recruiting effort: interviewed and helped decide which candidates to hire
- Revamped month-long training program for new hires, shortening course length by eliminating redundancies while increasing by threefold what trainees learn

Associate Software Engineer

Lockheed Martin Corporation (August 2005-August 2006)

Global security company that employs about 146,000 people worldwide

- AFCS, Advanced Facer Canceler System
 - Designed architecture of software based on knowledge of mail flow and system performance
 - Developed software to decide orientation of mail pieces
 - Invented algorithm to detect ID tags from UV images (patent under review)
- Assembled Reed Solomon Error Correcting toolkit for use in barcode encoding
- UFSM 1000, Updated Flats Sorting Machine
 - Edited/added code to a 600,000-plus line software package used throughout the United States Postal Service (USPS) system
 - Completely responsible for development of XML Mail Piece Tracking file
- Developed GUI software to analyze End of Run reports for technicians repairing Automated Package Processing Systems (APPS)
 - Tight deadline and demanding budget
 - Use of prototyping, cutting-edge technologies to complete task

Programming Competition Winner

SHPE Eastern Technical Career Conference (October 2004)

- Took first place at the Eastern Technical Career Conference Web Competition
- Created an online version of College Bowl, integrating PHP, MySQL and Java

Web site Programming

Binghamton University's newspaper (October 2002-November 2004)

The on-campus twice weekly student-run newspaper

- Boosted number of visitors more than twenty times to 35,000 hits weekly
- Managed the design, programming and editing of online publication

Education

Binghamton University, State University of New York, 2005

Bachelor of Science, computer science: graduated with honors

Bachelor of Arts, music: graduated cum laude

GPA: 3.7

Dean's list every semester

Honors

Chancellor's Award for Student Excellence

Each year, only one graduate at Binghamton's 1,600-student engineering school receives this statewide honor

Activities

Carnegie Recital Hall - performed Rachmaninov's Prelude in C# Minor at Carnegie Recital Hall after successful competition

CAMI Hall (Columbia Artists Music Inc.) - performed twice in musical competitions and numerous other times at the request of piano teacher

Hobbies

Skiing, jazz, math, and photography