

Alexander Darino

www.ryoga.org
www.alexanderdarino.name

2512 25th Way
West Palm Beach, FL 33407

Email: alexander.darino@ryoga.org

Education

Agile Java Bootcamp

Oct – Dec 2012

Designed and Led by **Christopher M. Judd**, Java Guru and Author

Provided by Manifest Solutions

Bachelor of Science in Computer Science




Awarded August 2012

University of Central Florida, Orlando FL

Cum Laude, GPA: 3.75/4.0

Relevant Coursework: Database Systems, Concepts of Parallel and Distributed Systems, Security in Computing, Problem Solving & Team Dynamics, Computer Vision (Published Researcher), Writing for Technical Professionals (Honors), Fundamentals of Technical Presentation (Honors), Leadership in Engineering I & II, Technological Entrepreneurship

Software & Web Development and IT Qualifications and Credentials

Java Java Language, JVM, JDK	Alternative JVM Languages Groovy	Enterprise Frameworks EJB3, Spring	Databases and Ontologies MySQL, Apache Derby, H2, RDF, OWL, Protegé	Persistence JPA, Hibernate, iBatis/MyBatis
Web Development HTML, CSS, Javascript, jQuery, AJAX, JavaServer Pages	Web Frameworks Grails; Apache Struts2, Tiles	Web Servers Apache httpd, Tomcat	Unit Testing JUnit, EasyMock, jmockit	
Continuous Integration Maven, Hudson, Jenkins	Misc. Frameworks Apache Commons, log4j, jsoup	Version Control SVN, git		
Agile Practices Standup, Kanban, TDD, ATDD, Design Patterns	IDEs Eclipse, GGTS, STS, Netbeans, IntelliJ	Development Tools and Environments gdb, vi, emacs, UML, ssh Linux, Cygwin, ffirefox		
Technical Writing & Graphic Design Documentation, Publications, Presentations, Marketing, MediaWiki, Wordpress, CRM, LibreOffice Formula, <i>L^AT_EX</i> , Inkscape				

Entrepreneurial Experience

Entrepreneurial Business & Technology Consultant, Owner

Ryoga Independent LLC

August 2012 - Present

- Provide IT services, software design & development, website design & development, technical writing & editing, business consulting, brand design and development, marketing, academic tutoring, misc. services
- Develop FOSS, RDF-modeled implementation of The New Taxonomy of Educational Objectives for the semantic encoding of educational objectives and knowledge. (Work in progress.)

Chief Executive Officer, Co-owner

Inner Health by Adriana, DBA (First Choice Massage Inc.) August 2012 - Present

Responsible for IT administration, website design & development, marketing, fund-raising, legal, publications, operations.

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Professional Experience

Junior Application Developer

Java, Groovy, HTML, CSS, Javascript

IQ Innovations, LLC

December 2012 – July 2013

Responsible for transforming acquired courseware into format suitable for consumption by proprietary courseware server and for use by end users using a diverse array of supported browsers and browser versions

- Develop semantic processing engine for DOM (HTML) using jsoup and Javascript using Mozilla Rhino.
- Develop behaviors for DOM/Javascript processing engines to semantically transform non-portable, deprecated use patterns in legacy HTML documents into XHTML5-compliant equivalents
- Use DOM/Javascript processing engines to systematically refactor 80+ Moodle courses, collectively comprising hundreds of thousands of HTML pages
- Perform XML transformations on Moodle courses in order to import into proprietary courseware server
- Write script to heuristically re-encode legacy media formats into modern, portable formats using ffmpeg

Help Desk IT Technician (Network Support Specialist II), Internship

SunGard Public Sector, Lake Mary, FL

November 2009 – August 2010

- Provided internal clients computer and application support via phone, email, remote-desktop, and in-person
- Tracked projects and cases using Firstwave Customer Relationship Management software
- Managed computer users and resources via Active Directory using Windows Server 03/08
- Developed new computer imaging process based on the Windows Automated Installation Kit for Windows 7 and Windows Deployment Services
- Created, maintain, and deploy custom version for Windows of internal use
- Configured and deployed mobile devices with BitLocker full-disk encryption
- Created and maintained Help Desk SharePoint site used to store documentation, implement change-control for custom Windows image, organize meeting agendas, track projects and computer requests.
- Authored and edited internal procedural, policy, and informative documents for Help Desk.

Technology Sales Associate (Customer Service Representative I)

Office Depot, West Palm Beach, FL

Summer 2009

- Qualified the needs of customers to develop technology-oriented solutions based on their personal and business requirements
- Educated customers on implementing technology offerings in a home or office environment
- Explained the benefits and features of, and sold product protection plans and technology services
- Performed in-house hardware servicing, malware overrides, manual system tune-ups

IT Technician/Java Programmer

Golden Bear International, Inc., North Palm Beach, FL

Summer 2008

- Wrote a contact-information database and an application to query the database
- Repaired laser printers, fax machines, scanners, laptops, and workstations
- Optimized workstation performance through system clean-ups and hardware upgrades
- Performed malware removal and security hardening on company computers
- Configured parental controls on company laptops for employees with children
- Served as primary internal remote support technician using VNC Viewer software to service workstations from a central location

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Publications

- Amir Roshan Zamir, Alexander Darino, Mubarak Shah, "Street View Challenge: Identification of Commercial Entities in Street View Imagery," icmla, vol. 2, pp.380-383, 2011 10th International Conference on Machine Learning and Applications and Workshops, 2011

Academic Experience

InstaEDU/Chegg Tutor

Chegg Inc., Santa Clara, CA

April 2014 – April 2015

- Provided live tutoring via an online platform utilizing whiteboarding, collaborative text editing and revisioning, collaborative code editing, audio/video communication, and $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ -capable textual communication.
- Provided written lessons typeset with $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$, LibreOffice Formula.
- Primarily tutored Computer Science (theory and practice), Mathematics, and Technical Writing & Editing

Computer Vision Researcher (Published)

University of Central Florida, Orlando, FL

May 2011 – December 2011

- Developed and implemented algorithms in MATLAB to perform the automatic recognition and identification of business entities within images
- Research published in the 10th International Conference on Machine Learning and Applications (ICMLA11)
Available at: <http://www.computer.org/portal/web/csdl/doi/10.1109/ICMLA.2011.181>
- Presented 20-minute talk at ICMLA11 conference in Honolulu, Hawaii on 12/21/11

Teaching Assistant for “Introduction to Object-Oriented Programming in Java”

University of Central Florida, Orlando, FL

August 2010 – December 2010

- Revise course curriculum to reflect needs of advanced coursework and the best practices for program design and code construction demanded in professional software development
- Established course calendar for lecture, assignment submission, and examination dates
- Prepare lecture notes and review them for professor
- Co-teach lectures, delivered eight consecutive 75-min lectures during professor’s illness
- Create all-new assignments and examinations; grade assignments and examinations
- Offered tutoring, supplemental instruction (program design, software architecture, design patterns, code construction), mentoring (learning skills and habits), and homework assistance

Volunteer Experience

Habitat for Higher Learning Founder, Director, Computing Department Head

Habitat for Humanity UCF Chapter, Orlando, FL

2009 - 2010

- Founded a peer-to-peer, extracurricular organization to promote academic scholarship and professional development
- Raise voluntary donations for Habitat for Humanity
- Organize, develop curriculum for, and participate in Course Mastery Teams, including C Programming, Computer Science I, Java Programming, Discrete Mathematics, Computer Organization, and Systems Software.
- Manage reservations, donation solicitation; volunteer recruitment, training, and auditing; advertising, and website.