JOSÉ NELSON AFONSECA ALVES

josenelson.net

contact information
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work experience
4 years

programming skills
C++, C, C#, Vb.net, Java, Flex, Javascript, SQL, T-SQL, PHP

tools
Microsoft Blend and SketchFlow, Adobe Illustrator, Adobe Indesign, Balsamiq Mockups

platforms and APIs
.Net, Microsoft Task Parallel Library, Windows Presentation Foundation, Intel Threading Building Blocks, Facebook API, XPDF, MuPDF

relevant courses
User Centered Research and Evaluation
Activating Objects
Interaction Design
Fundamentals User Centered Design

personal interests
Working out at the gym
Cooking
Hiking
Levada walking

#interaction designer #user experience #prototyper #developer

education
Carnegie Mellon University, *Masters in Human Computer Interaction*,
2012 - estimated graduation date.

University of Madeira - *Masters in Computer Engineering,*
2009

University of Madeira - *Degree in Computer Engineering,*
2006

awards
Facebook Hackathon U @CMU 2011 Winner
Yahoo Hack U @CMU 2011 Winner.

experience
Freelance developer, 2010-2011
Worked for local software companies implementing short term requirements for a ferry operator, a highway consortium and a marketing company.

Project Manager/UI Designer, Think Ahead Labs, 2010
Worked as a junior project manager, managing a 5 person team, which included developers and researchers.
Responsibilities included: - Requirements gathering with clients
- Architecture analysis
- User interface prototyping
Technologies used: SketchFlow for prototyping

Developer, DataIntel, 2007-2009
Worked on an information retrievel application whose goal was to allow users to automatically gather econometric data available on the web, from companies. Responsibilities included:
- Requirements specification
- Architecture specification
- Core development
Technologies used: C++, C#, WPF and Flex.

Software Developer, Expedita, 2006-2007
Worked in the data managment and access team on most of the companies systems which where focused on tourism and cargo management.
Responsibilities included:
- Database design and implemention
- Webservices specification and developement
- Incremental migration of architecture to a Service Oriented one - DB maintenance support
Technologies used: .Net, SQL Server.

Memoriz, 2011
Facebook Hackathon U @CMU 2011 Winner.
Memoriz allows Facebook users to connect their albums with events they attended and share with their friends, so disconnected albums from even attendees become connected in a rich social experience.

Groopiez, 2011
Yahoo Hack U @CMU 2011 Winner.
Groopiez is a social hub for concert goers to meet other fans of so they can meet and go to concerns. It leverages from information from Facebook and last.fm. http://developer.yahoo.com/hacku/show/2011/sep/cmu

xCarbon, 2011
Research project to curb carbon emissions by promoting sustainable behaviour in faculty and students, leveraging on sensor data from Carnegie Mellon.

Virtual Workplace, 2010
Project management application that leverages on social media applications, such as Facebook and Twitter, to increase the effectiveness of collaboration.

TangiCut, 2010
Multitouch based software for tabletops, enabling users to extract elements (such as tables) from a digital document using paper based interaction techniques.

Pd2table, 2009
Application for extracting tables from PDF documents and exporting them to Excel. Core solution included an implementation of XY cut algorithm and document layout analysis. Versions include a stand alone application and an Excel plug-in.

WebMiner, 2008
Application for extracting relevant data about entities from documents collected from the web. Implementation included novel UI design, algorithms for syntactic and semantic indexing and information retrieval algorithms.

Expedita DataTools, 2007
Algorithms for querying graphs represented in relational tables using a specifically designed language.

WinSketch, 2006
Usage Centered Design tool for Windows, similar to CanonSketch.