



SUMMER INTERNSHIP RECOGNOS Romania

RECOGNOS Romania (www.recognos.ro)

- Romanian-American joint venture
- Microsoft Certified Partner (Software & Web Development)
- ISO 9001:2008 certified
- Three major practice areas in Software and Web Development:
 - Development of sophisticated systems and products for the Financial and Banking Industry
 - Research semantic technologies and development of semantic applications for different industries
 - Development of portals, web based systems and services for the world market

RECOGNOS Romania started Internship programs in 2002 with an average of 10 themes/year.

The Internship opportunity is open for the students of the Faculty of Mathematics and Computer Science of the Babes-Bolyai University Cluj-Napoca and comprises the following subjects:

No	Theme	Description	Minimal required skills Technologies / Environments that will be approached
1	Meeting high traffic demands in PHP/MySQL web application	Gradually improve response times of a PHP/MySQL web application	Technology: Squid, APC, Memcached
2	Implementing multiplayer web-based games using PHP sockets	Design and implement a rich interface multiplayer web game (Poker, Backgammon, etc.)	Technology: PHP TCP/IP sockets, Adobe Flash technology
3	Comparative study of modern CMS/framework extension mechanism	Evaluate different extension mechanisms (plugins, modules, bundles, libraries, etc.) available in some of the most used PHP Content Management Systems and Frameworks	Technology/Environments: Wordpress, Drupal, Magento, Symfony, CodeIgniter, etc.
4	Testdrive web application with dealer localization	Develop a testdrive web application which will localize dealers on Google Map based on the entered address. Users will be able to choose one dealer from the list	Minimal required skills: Microsoft .NET, ASP .NET MVC 3 Reference: Google Maps API with javascript https://developers.google.com/maps/documentation/javascript/tutorial
5	Social media data acquisition and processing	Build a web application that interacts with common social media API's (Facebook, Twitter, blog, RSS feed) to collect data, filter it and categorize it based on certain criteria Reference: http://www.asp.net/mvc/mvc3 http://jquery.com/ http://msdn.microsoft.com/en-us/data/aa937723 http://msdn.microsoft.com/en-us/netframework/aa663324	Minimal required skills: approach web application development, use Microsoft Technologies for web development Primary: ASP .NET MVC 3, JQuery Secondary: OOP, Entity Framework Technology: Microsoft .NET Framework 4.0, WCF, RIA Services, Sql Server
6	Movie booking system	Build a windows desktop application that allows to keep track and book seats to specific movie(s) Reference: http://msdn.microsoft.com/en-us/library/ms754130.aspx http://en.wikipedia.org/wiki/Model_View_ViewModel http://msdn.microsoft.com/en-us/library/bb425822.aspx	Minimal required skills: approach windows application development, use Microsoft Technologies for desktop development Primary: WPF, MVVM design pattern Secondary: Linq to Sql Technology: Microsoft .NET Framework 4.0, SQL Server, Expression Blend
7	Intranet application for multi-employee company	Build a web application that offers common features for a company (tracking working hours, holidays, sent notifications, etc.) in an intranet environment Reference: http://www.asp.net/web-forms http://jquery.com/ http://msdn.microsoft.com/en-us/library/h43ks021(v=vs.71).aspx http://msdn.microsoft.com/en-us/netframework/aa663324	Minimal required skills: approach web application development, use Microsoft Technologies for web development Primary: ASP .NET Web Forms 2.0, JQuery Secondary: OOP, Stored Procedures, Ado .Net Technology: Microsoft .NET Framework 4.0, WCF, RIA Services, Sql Server
8	Basic Banking application	Complex web based application that follows an established workflow. The application will use a SQL Database for storing users and customers data	The modules below are mandatory: Logging module Users rights Create BD and application workflow Create XML reports Send mail module
9	Monitoring on-line media	Monitor on-line media content (web sites, news, Twitter, Facebook, images/video/audio) for relevant content. Sentiment analysis of social media content	Minimal required skills: the candidate must like the Artificial Intelligence domain, to be open to learn new emerging technologies, background in artificial intelligence, machine learning Technologies/Environments that will be approached: machine learning, data mining, natural language processing (NLP), semantic analysis and matching for text, ai-one SDK - http://www.ai-one.com/
10	Intelligent applications using OpenCyc	OpenCyc is the open source version of the Cyc technology, the world's largest and most complete general knowledge base and commonsense reasoning engine. OpenCyc can be used as the basis of a wide variety of intelligent applications such as: rapid development of an ontology, text summarization, expert systems	Minimal required skills: the candidate must like Artificial Intelligence domain, to be open to learn new emerging technologies, background knowledge representation, ontologies Technologies/Environments that will be approached: Knowledge representation, Ontologies, OpenCyc - http://www.opencyc.org/

Registration Term: To apply (date limit): 30 April 2012

Send e-mail (subject: UBB Internship_2012) at jobs@recognos.ro, including:
CV, personal contact information, the theme you want to apply for

Selection Interview: 1 May 2012 – 31 May 2012
Announcement of accepted students: 4 June 2012