Ravdeep Johar

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OBJECTIVE

To obtain a Co-op/Internship position as a Software Developer, available mid-May 2013 onwards.

EDUCATION

Rochester Institue of Technology, NY   Anticipated May 2014
Degree: Master of Science in Computer Science
GPA: 3.75/4.00

University Of Wisconsin-Milwaukee, WI   Graduated Fall 2011
Degree: Exchange Student - BS Computer Science
GPA: 3.2/4.00

SRM University, Chennai, India   Graduated June 2012
Degree: Bachelor of Engineering in Computer Science
GPA: 3.5/4.00

COMPUTER SKILLS

Languages:	C++, Java, C, MATLAB
Development Tools:	Netbeans/Eclipse IDEs, Visual Studio, Android Development Kit
Familiar with:	OpenCV, ROS, Objective-C, Python, XML, HTML, Ruby, PHP, Prolog, SML, C#, Java Script, SQL
Operating Systems:	Windows, Unix/Linux, Mac OS X

RESEARCH INTERESTS

- Computer Vision
- Robotics
- Cryptography
- Artificial Intelligence
- Programming Languages

EXPERIENCE

Robotics Lab, RIT, Rochester, NY   December 2012-Present
Research Assistant, Language used: c++
Implementing localization of robot using barcodes.

Urjanet, Chennai, India   February 2012-June 2012
Programming Intern
Worked as a Java Software developer.

PUBLISHED RESEARCH PAPERS

Comparative Study and Optimization of Feature-Extraction Techniques for Content Based Image Retrieval, International Journal of Computer Applications (IJCA), ISSN: 0975-8887 (Online), Vol. 52, No. 20, pp. 35-42, Aug. 2012. (**Citations: 2**)
- Aman Chadha, Sushmit Mallik, Ravdeep Johar

RESEARCH PROJECTS

Scene Classification using hybrid image descriptor combining Local Binary Pattern and SIFT (Advanced Computer Vision, RIT)
Language used: Matlab and C++

Localization of Robots by Detecting Barcodes (Corobots, RIT)
Language used: C++

Image Processing using Cellular Automata(Independent Study, RIT)
Language used: Matlab

Continuous Authentication using Keyboard Biometric Features(Artificial Intelligence, RIT)
Language used: C#, Python, JavaScript

Detection of Moving Object using Gaussian Mixture Model(Computer Vision, RIT)
Language used: Matlab

Video Encryption using RSA Algorithm and Pseudo Noise Sequence(Research Project)
Language used: Matlab

Ant Clustering Algorithm Based on Cellular Automata (Research Project)
Language used: Matlab

Finger Arches based Authentication using Minutia method(BS Capstone, SRM)
Language used: Java; Tools used: Net Beans

PROJECTS

Encrypt/Decrypt Text using Data Encryption Standard(Cryptography, RIT)
Language used: Phython

3D Solar System(Computer Graphics, UWM)
Language used: C++ ; Tools used: Microsoft Visual Studio

Android Application: Restaurant Search App(Software Enginerring, UWM)
Language used: Java ; Tools used: Eclipse

Medical Diagnosis Expert Systems (Artificial Intelligence, RIT)
Language used: CLIPS

8 and 15 Puzzle Solver Using A* Algorithm(Artificial Intelligence, SRM)
Language used: Java ; Tools used: Eclipse

Language Detection using Neural Networks(Neural Networks, RIT)
Language used: Matlab

ACHIEVEMENTS

- Recipient of Graduate RIT Scholarship
- Selected to attend exchange program at UWM

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Punjabi (Fluent)
- Japanese (Basic)

LINKS

- Github: `https://github.com/ravdeepjohar`
- LinkedIn: `http://www.linkedin.com/profile/view?id=241136953`
- Website: `http://www.cs.rit.edu/~rsj7209/`