TRINH MINH CUONG

PERSON INFORMATION

Name	Trinh Minh Cuong
Gender	Male
Nationality	Vietnamese
Email	cuong@techmaster.vn
Tel	Mobile: 0902 2090 11
Address	14, Lane 4, Nguyen Dinh Chieu, Hanoi, Vietnam

EDUCATION AND QUALIFICATION

2006 – 2007   Korean Advanced Institute of Science and Technology, http://www.kaist.edu

Master of Science – Mechanical, Humanoid Robotics track.

Dissertation thesis "Developing smart grasping 5 finger humanoid robot hand" See demo video at http://www.youtube.com/watch?v=MaYHT0zWrUA

2004 – 2005   Information & Communication University, South Korea, http://www.icu.ac.kr

Master of Science – Computer Science, Bio-informatics track.

1992 - 1997   Hanoi University of Technology, Vietnam, http://www.hut.edu.vn

Bachelor Science - Electronics and Telecommunication. Degree: Credit.

WORKING EXPERIENCE

Nov 2011 – Now

Company:	TechMaster Vietnam http://techmaster.vn
Position:	Technical Director
Job description:	- Architect and develop mobile enterprise solution (Apple iOS, Android, Windows Phone) - Pricipal Microsoft trainer for SharePoint,WCF, Odata, Team Foundation Server, C#, Apple IOS and Android.

July 2008 – Nov 2011

Company:	Microsoft Vietnam http://www.microsoft.com

Position:	ISV Developer and Platform Evangelist
Job description:	- Advise ISVs, customers to adopt latest Microsoft technologies - Lead Windows 7 app compatibility campaign, - Develop proof of concept solutions: ASP.net MVC, Windows Azure, SilverLight RIA, Windows Phone ODATA. - Speaker of all key Microsoft events in Vietnam.

July 2007 – July 2008

Company:	HarveyNash UK http://www.harveynash.com/
Field:	Outsourcing software for US, European customers
Position:	ASP.net Solution Architect
Job description:	- Lead programming team in Microsoft MSNBC Project - Design BizTalk solution for project online ticket of London Railway Station - Technical audit for one Telco project of UK customer.

Mar 2007 – July 2007

Company:	Trivision Vietnam http://www.tri-vision-vn.com
Field:	Outsourcing software for Japanese software companies
Position:	Technical Chief
Job description:	- Lead programming team in C#, ASP.net, MS-SQL 2005 projects. - Support technical for Japanese customers

Mar 2005 – Feb 2007

Laboratory:	Humanoid Robot Research Center, KAIST, Daejon, South Korea http://hubolab.kaist.ac.kr
Field:	Design humanoid robots and biorobotics robots
Position:	Master degree - research student
Job description:	- Design new mechanism for robotics hand to grasp arbitrary objects. Involve in electronics circuit board design, mechanical design and micro-controller programming. - C++ tutor for Master degree students - C++ and C programmer for various research project in robots.

April 2000 – Feb 2004

Company:	Fujitsu Vietnam Ltd., http://vn.fujitsu.com
Business:	- IT System integrator (computer hardware, software, Internet and telecom equipments).
	- Business software solutions provider (Internet, Banking, Call-Center, MRP, HR-Payroll, CRM).
Position:	- Internet Solutions Project Manager
	- Business Software for Japanese customers in Vietnam
Job description:	- Manage development team sized 12 -15 developers
	- Contact & get requirement of customers.
	- Analyze requirement, design architecture and choose appropriate technology.
	- Write, audit design document.
	- Directly program in important modules (C++, COM+, ActiveX) and design database schema using Erwin Data Modeler.
	- In charge of Microsoft Visual Studio 6, .NET, Java and web technology in Fujitsu Vietnam Ltd. Directly consult and report technology for CEO of Fujitsu Vietnam.

June 1999 – Apr 2000

Company:	Fujitsu System Business Thailand (FSBT), http://www.fujitsu.com/th/en/
Business:	- IT Enterprise Solution Provider.
	- Software outsourcing center.
	- Business software packages (ERP, MRP, …) provider.
Position:	Expatriate programmer
Job description:	- Code Fujitsu PRONES MRP software (Material Requirement Planning II)
	- Code Fujitsu Office Link software (web based office automation and collaboration).
	- Mentor Thai junior staffs Microsoft IIS, ASP, HTML, JavaScript programming.

June 1996 – May 1999

Company:	Pacific R.I.M (Research.Internet.Multimedia)
Business:	- Develop Lotus Notes web solution
	- Design multimedia CD-ROM
	- Full text index-search software to archive large volume of documents on the CD-ROM
Position:	Programmer ⇨ Senior Programmer ⇨ Head of Software Department
Job description:	- Design and program document full text index search applications.
	- Program & admin Lotus Domino web applications.
	- Write Word, Excel macro to parse, import & convert large amount text

data from various format: Quark Express, RTF, WordPerfect, Ms-Word.

LANGUAGES

- Vietnamese: native language

- English: Excellent TOEFL CBT 263 ~ 630 paper-based. IELTS score 7.0

- Japanese: listen and speak fairly.

- Korean: basic conversation, read, write.

PROFESSIONAL QUALIFICATIONS

- Microsoft MCP (Visual Studio 6 Desktop Application + Distributed Application Development)

- IBM Lotus Notes CLP (Administrator + Developer)

PARTICIPATED PROFESSIONAL TRAINING COURSES

- "Get and analyze customer requirements" by DMR Consulting America

- "Project Management" by DMR Consulting America

- "Balanced Score Card" by Artemis International

- "Project Management" *required course at Information & Communication Univ, SKorea*

SKILLS

Skills	Year of experiences	Level
Business Software		
MRP (Seiban, Kanban production control)	2 years	Good
Human Resource – Payroll – Time Attendant	3 years	Good
CRM (Customer Relationship Management)	1 year	Intermediate
Web product catalog, shopping cart	6 months	Good
Automatic Call Center	4months	Good
Lotus Notes document workflow	2 years (last used 1999)	Good
Programming Languages		
Apple iOS Objective C	2 years	Very good
Google Android Java	1 year	Good
C++, VC++, (MFC, STL, WinAPI), GNU- C	9 years	Good
C# (Windows Form, WPF, ASP.net, LINQ, ADO.net)	2 years	Good
Visual Basic (ActiveX, RDS, COM+)	7 years (last used 2004)	Expert
Java (NetBeans, Eclipse) implement various Pattern Recognition algorithms	2 years (last used 2004)	Intermediate
MatLab, Simulink	3 years	Good
Linux, Apache, MySQL, PHP	2 years	Good
Operating Systems		
Microsoft (Dos, Windows 7, Windows Server,	18 years	Very good

Windows 8)		
Linux Ubuntu, SUSE , Fedora…	1 year	Good
Unix Free BSD	1 months	Beginner
Realtime OS: micro C/OS II	4 months	Beginner

Low level, SDK, API Programming

TCP, UDP, IPC	2 months	Good
RS232 programming	2 years	Good
Intel Dialogic Card	2 months	Good
Symantec WinFaxPro 10 SDK	2 months	Good
XML parser	4 months	Intermediate
OpenGL, Ogre3D	4 months	Beginneer
2D cross platform graphics SDL library	4 months	Intermediate
Intel OpenCV image processing	6 months	Intermediate

Database

MS-SQL 7.0, 2000,2005	3 years	Good
Oracle (PL/SQL Programmer, ToadXpert)	4 years	Good
MySQL	2 years	Intermediate
Ms-Access	2 years (last used 1999)	Intermediate
Lotus Notes 4.x, 5.x	2 years (last used 1999)	Very good

Web, Internet Script Languages

PHPBB, Joomla, WordPress, IntegradMod	4 years	Good
HTML, CSS	6 years	Expert
ASP, VBScript	3 years	Expert
PHP (Smarty, ADODB.NET)	2 years	Good
XML, XSL, XTD, SGML	2 years	Good
JavaScript, HTML 5	5 years	Good
Lotus Script	2 years	Good

Software Case Tools

UML, Visual Paradigm	5 years	Very Good
Microsoft Project	3 years	Good
Doxygen	1 year	Good

Project Management

Team Foundation Server, Subversion, GIT	8 years	Good
TestTrack Pro	1 years	Good

Graphics, Multimedia Tool

Adobe Photoshop, GIMP	5 years	Good
Macromedia Director 8.5 (Lingo Script)	6 months (last used 2001)	Intermediate

Eletronics & Mechanics

Design, route PCB board – Orcad 10.x	1 year	Good
Microcontroller C programming: Microchip dsPIC, Atmel AVR, Texas Instrument 320F28xx.	2 years	Good
OpAmp analog circuit design	4 months	Begineer
3D Modelling using SolidWorks	2 year	Good
Catia V5R15	4 months	Begineer

IT PROJECTS

Projects from 2004 – now
Client: Microsoft, HarveyNash, FPT Software, Vietsoftware International, KAIST Hubo Lab.
All projects strictly required participants to sign NDA

Project 17, 18: Develop web portal and web application
Client: Japan International Bank for Cooperation , Hanoi Golf Course
Job Title/Designation: Project Manager and Technical   From: Sep 2003 - To: Feb 2004
Consultant
Responsibilities:
+ Consult and design technology architecture of web site http://www.jbic.org.vn
Tools / Programming Languages:
+ PHP, MySQL, DevEdit

Project 16: Develop and Integrate automatic Fax Out service to CRM system.
Client: Exim Bank Vietnam Telephone Banking
Job Title/Designation: Programmer   From: Apr 2003 - To: May 2003
Responsibilities:
+ Develop a module which uses Symantec WinFax and WindowsXP Fax Service to automatically generate document and send fax per request of customer.
Tools / Programming Languages:
+ Visual Basic 6.0
+ MSSQL 2000
+ Windows XP Fax Service
+ Symantec WinFax Pro 10 SDK
Project Description:
Telephone Banking for Exim Bank Vietnam is a CRM system. Customer can dial to Exim Bank phone number to query about exchange rate, loan interest rate and balance. They may also request Exim Bank to fax back these information. Exim Bank then charge some fee to customer's bank account.

Project 15: MRP (Material Requirement Planning) package software. Brand name: **Innova MRP**
Clients: Small, middle size Japanese factories in Vietnam and Asia.
Job Title/Designation: Application analyst and architecture   Oct 2002 - To: Mar 2003
designer
Responsibilities:
+ Analyze user requirements, study feature of other famous Fujitsu ERP packages to develop most suitable, competitive MRP package for Japanese factories.
+ Make decision what kind of technologies will be used (Client – Server, Visual C# Dot Net, SQL 2000)
+ Design back end database using Erwin, front end C# using UML diagram (SmartDraw).
+ Document business workflow in English.

+ Write a little front end C# .

+ Design GUI prototype using VB 6.0.

+ Integrate Human Resource module to MRP module.

Software Packages / Programming Languages:

+ Visual Studio C# Dot Net + Visual Source Safe

+ MSSQL 2000

+ Crystal Report 9

+ DevExpress Xtra Control (http://www.devexpress.com/)

+ Erwin 4.0

+ SmartDraw 6.0

+ Sparx System UML Enterprise Architecture (trial version)

Project Description:

 MRP package software is most complex software which I've ever designed and managed. It consists many modules: Item BOM Master, Shop Floor Control, SO, PO, Inventory, Planning....

+ This package software focuses small, medium Japanese factories (less than 5,000 product items, single location, make to order, make to stock, assemble to order).

+ It is expected to support bilingual languages English and Vietnamese. Japanese will be added in future version.

+ One big advantage is it is very easy to customize to meet specific requirement of each customer thanks to power of .NET & C# language.

Project 14: Production Control Management System. Brand name: **PCMS**
Extended module production control for Fujitsu ERP GLOVIA.

Job Title/Designation: Lead designer and project manager of development team

From: May 2002   -
To: Oct 2002

Responsibilities:

+ Analyze user requirements

+ Make decision what kind of technologies will be used (Client – Server, Visual C+ as client)

+ Design back end database using Erwin, front end C+ using UML diagram (Smart Draw).

+ Document business workflow in English.

+ Write front end Visual C++ coding specification.

+ Also develop, debug several modules (XML parsing and update to database, reusable components).

+ Train Visual C++ MFC to other programmers.

+ Design XML data transfer format.

+ Write Installer for client application.

Tools / Programming Languages:

+ Visual C++ 6.0 + Visual Source Safe

+ Oracle 8.17 on Sun Solaris

+ AllAroundAutomation PL/SQL Developer, TOAD Expert 7.

+ Erwin 4.0

+ Smart Draw 6.0

+ XML Spy

+ NullSoft Installer

Project Description:

It is expansion of module of Fujitsu ERP package Glovia. This module does several tasks:

+ Import item master, BOM, production instruction from Japan as XML format.

+ Manipulate item master, BOM, each detail process to make item.

+ Control input and output result of each routing process in shop floor.

Project 13: Human Resource Management + Time Attendant system. Brand name: **EZManage**

Package software for Japanese companies and factories.

Job Title/Designation: Lead designer, project manager and   From: Nov 2001- 2004
presales consultant

Responsibilities:

+ Analyze user requirements

+ Design back end database using Erwin

+ Write time attendant data real time reader software using Visual C++.

+ Also develop, debug ActiveX in Visual Basic, ASP.

+ Train Visual Basic Remote Data Service, DCOM, Active X to other programmers.

Tools / Programming Languages:

+ Visual C++ 6.0, Visual Basic 6.0, Remote Data Services, COM+

+ MSSQL 2000

+ Erwin 4.0

+ Windows Socket UDP and RS 232 protocol programming

Project Description:

It is web based Human Resource – Payroll- Time Attendant application. It can manage large number of staffs, workers (100-1000) working in complex, multiple shifts. It also automatically calculate overtime, bonus, deduction, track report attendance status of each staff.

It is one of my successful package software. More than 12 packages have been sold till end 2003.

Project 12: Honda Dealer Communication System.

Client: Honda Vietnam (http://dcs.honda.com.vn)

Job Title/Designation: Lead programmer   From: Oct 2000-Oct 2001

Responsibilities:

+ Analyze user requirements

+ Write Visual Basic COM+ components in server

+ Write Visual C++ small sized application (<120KB to upload XML data to server by FTP).

+ Write ASP pages

+ Deploy, performance tuning.

Tools / Programming Languages:

+ Visual Basic 6.0 for COM+

+ ASP, JavaScript

+ Visual C++ 6.0, TCP/IP, FTP, XML, MD5

+ MSSQL 7.0

Project Description:

It is web based CRM application. Its major features:

+ Dealer securely places order, report daily sales through web form.

+ Analysis sales trend using Crystal Report.

+ Make e-Announcement to individual or group of dealers.

+ Exchange batch XML data between dealers and Honda securely through secured FTP protocol

---

Project 11: Dynamic, updateable web based product catalog, shopping cart
Client: Hanoi Seiyu supermarket (http://www.hanoiseiyu.com.vn)
Job Title/Designation: Lead programmer & project manager   June 2000-Nov 2000
Responsibilities:

+ Design graphics interface of web site.

+ Write Visual Basic COM+, XML cache components in server

+ Write ASP pages, JavaScript for client site

+ Deploy, performance tuning, security admin

Tools / Programming Languages:

+ Visual Basic 6.0 for COM+, ASP Mail, XML SDK

+ Adobe Photoshop 6.0

+ MSSQL 7.0

+ Front page ASP

Project Description:

It is product catalog, shopping cart web site. This web site allow shop master update easily, quickly product items. It provides several necessary, highly customizable functions encapsulated in server components so ASP client can call. By doing this, web designer may create different graphics style for web site but just using simple, already well defined interface.

Project 10: Multimedia CD-ROM
Client: Ministry of Science Technology Environment
Job Title/Designation: Visual effect programmer & creative   Apr 2000 Oct 2000
director.
Responsibilities:

+ Sketch design interface.

+ Write Lingo script.

+ Process raw audio clip

+ Edit, add visual effects and compress video in MPEG 4 codec.

+ Solve hardware, OS compatible problem.

+ Prepare codec driver setup

Tools / Programming Languages:

+ Macromedia Director 8.5 and Flash 4

+ Adobe Photoshop 6.0

+ Ulead Video Editor, Sound Forge FX 4.5

Project Description:

I worked with two other guys (graphics designer and programmer) to develop this CD-ROM. It is an interesting project. Because I also acted as key graphics designer & visual effect programmer.

Project 6,7,8,9: Design static web sites
Client list:

+ Yamaha Motor Vietnam http://www.yamaha-motor.com.vn

+ Halong Can Food http://www.halong-canfood.com.vn

+ Fujitsu Vietnam http://vn.fujitsu.com

+ Sumitomo Bakelite http://www.sbv.com.vn

Job Title/Designation: HTML coder. visual interface designer, team   From: 2000 – 2003
leader

Responsibilities:

+ Design layout interface.

+ Write HTML, DHTML script

+ Quality assurance (check broken links, mis spelling)

Tools / Programming Languages:

+ HTML, CSS, XML, XSL, JavaScript, PHP, ASP

+ Macromedia DreamWeaver, Flash

+ Adobe Photoshop

+ UltraEdit

Project 5: OfficeLink
Client: Fujitsu Singapore

Job Title/Designation: Expatriate Programmer   From:Jan2000-Apr 2000

Responsibilities:

+ Code ASP, HTML

Tools/Programming Languages:

+ ASP, IIS 5.0, JavaScript

+ Oracle 7.3

Project Description: Web based work flow for office administration. Its features:

+ Request, approve to leave

+ Procurement procedure

+ Fix asset management

+ Allowance, re-imbursement for traveling

+ Payroll calculation

Project 4: PRONES MRP

Job Title/Designation: Expatriate Programmer   June 1996 - Dec
2000

Responsibilities:

+ Code VB 6.0

+ Code PL/SQL for Oracle 7.3

+ Design Crystal Report

Tools/Programming Languages:

+ Visual Basic 6.0

+ Oracle 7.3

+ Crystal Reports 5

Project Description:

It is client-server MRP package software using Seiban, Kanban methodology for Japanese
manufacturers.

Project 3: Staff Performance Database

Client: Human Resource Department of Coca Cola Singapore

Job Title/Designation: Single programmer   Oct 1998 - Nov 1998

Responsibilities:

+ Get user requirements and create prototype

+ Develop application on Lotus Notes 4.5 & 5.0

+ Install and technical support

Tools/Programming Languages:

+ Lotus Notes 4.5, 5.0

Project Description: It is a small, secured staff performance rating include with training schedule.

Project 2: Portal web sites

Clients: Germany's GTZ organizations in South East Asia

+ Mekong River Organization http://www.mekonginfo.org/

+ Thai-German Highland Development Program www.gtz-asia-online.org

Job Title/Designation: Programmer and administrator   Feb 1997 - April 1999

Responsibilities:

+ Get user requirements and create prototype

+ Develop application on Lotus Notes 4.5 & 5.0

+ Install and technical support

Tools/Programming Languages:

+ Lotus Notes 4.5, 5.0

+ Adobe Photo 4.0, HTML, Java Script, Netscape Navigator 4.7, IE 3.0, 4.0

Project Description:

This portal site is used for Germany organizations in Mekong River area:

+ Registered users can post new research science articles into several forums.

+ Administrator then approves newly posted articles.

+ Depend of authorization level, web user may search and view certain articles and post commend and view discussion as thread. They may join in discussion forum as well.

Project 0: Vietnam Investment Review CD-ROM & Vietnam Law Database

Job Title/Designation: programmer   June 1996 -April 1997

Responsibilities:

+ Code VB 4.0 16 bit

+ Design GUI.

+ Convert data from Word 2.0 or Quark Express to simple Rich Text Format file.

+ Create Install Shield 16 bit Installation.

+ Write manual.

+ Technical support.

Tools/Programming Languages:

ISYS full text indexing library

Visual Basic 4 16 bit

Project Description: This is archived news paper on CD-ROM distributed monthly to subscribers. User can browse articles by categories or full text search by key word, logic operand AND, OR, NOT.... Found articles will display highlight matched keywords.

About 200 foreign companies, representative offices bought this software.

INTERESTS AND ACTIVITIES

- Design computer graphic, assemble amateur electronics circuits, cartoon movies.
- Swimming, jogging and body building.

AWARDS RECEIVED

- Microsoft Windows 7 Knight
- Microsoft Valuable Technology Passion 2011
- Korean Advanced Institute of Science and Technology Scholarship, 2005-2007
- Korean Government Information Technology Scholarship, 2004
- Runner up prize for cooperate web designer contest organized by VNN, 2001
- Scholarship of Schlumberger WireLine Testing, summer, 1996
- 1st prize in Hanoi Japanese Speaking Contest 1995
- Third prize in programming contest Olympic in Hanoi University of Technology, 1995

VISITED COUNTRIES

- Indonesia: Jun 1996
- Lao, Thailand: 1998
- Thailand: 1999-2000
- Singapore: 2001, 2008
- Japan: 2002
- South Korea 2004-2007
- Philippines 2009
- United States: 2009, 2011

EXTRA ACTIVITIES

- 2009- 2011: Working dog professional trainer
- 2005-2007: Administrator of Vietnamese students in KAIST, http://vn.kaist.ac.kr
- 2004: Teaching assistant in "Web programming" course of ICU
- 1993-1996: President of Friday English Club in Hanoi

PAST PROJECTS
Social Photos
http://socialphotos.codeplex.com

SocialPhotos is a social networking application for photography lovers that is based on smart phone, web 2.0, and cloud technologies. With SocialPhotos, users can share their photos, as well as view, rate, and comment on other's photos from any smartphone or HTML5 web browser. Smartphones, including Windows Phone, Android, and iPhone, provide access to photos from mobiles. Not only can you take and upload a photo from your smartphone, but you can also tag a photo with information about the location where photo is taken. Based on these tags, you can

search for photos takes in a specific location.

Because SocialPhotos maintains your photos in the cloud, you won't lose your photos, even if you lose your smartphone. In the cloud, your photos are protected and backed-up by our high-availability Windows Azure-based cloud computing services.

The idea for a "SocialPhotos" service was initiated by Cuong Trinh to demonstrate the Microsoft cloud services platform of WCF Data Services/OData, Windows Azure, SQL Azure, Windows Phone, as well as other non-Microsoft technologies, including Google Android, Apple iOS, HTML5, JavaScript, and jQuery. The team plans to demonstrate how these technologies, by aligning around the Open Data Protocol (OData), can provide a seamless, multi-platform user experience.

Humanoid Robot Fingers in Hubo Lab, KAIST, South Korea
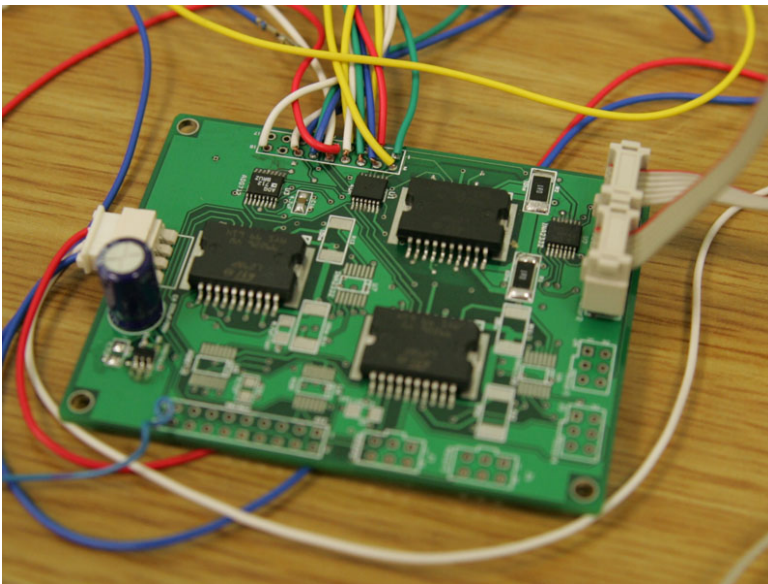
Figure 1: 6 channels DC Motor controller board
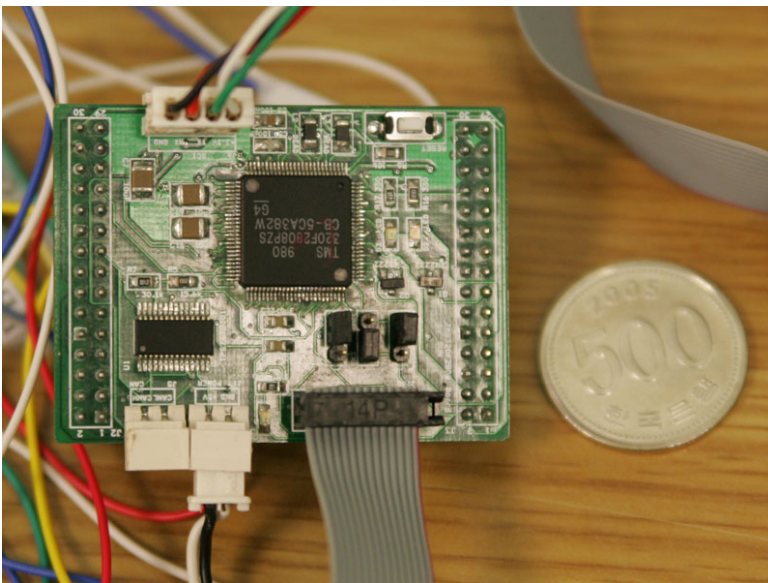
Figure 2: TI 320F2808 Microcontroller
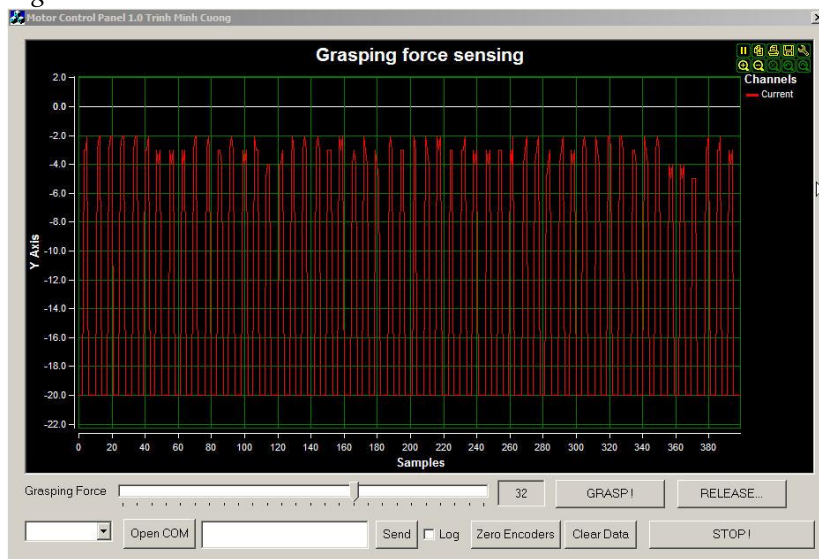
Figure 3: PC based motor control, multi-thread data acquisition and visualization
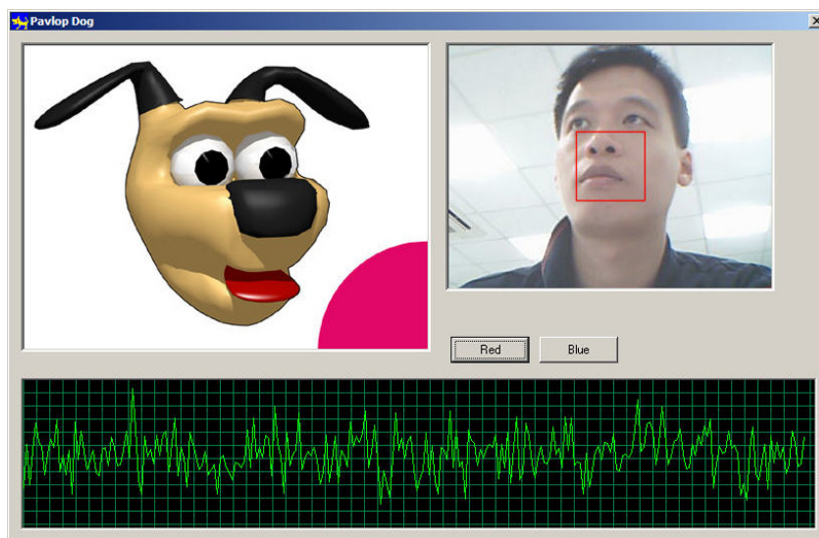
Figure 4: Virtual dog expresses basice motions baseson action of his master. Real time video captured from web cam and image processing to detect color and human face skin.
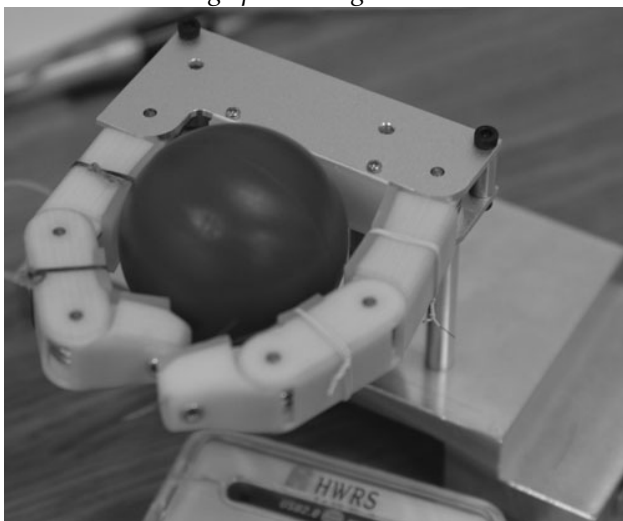
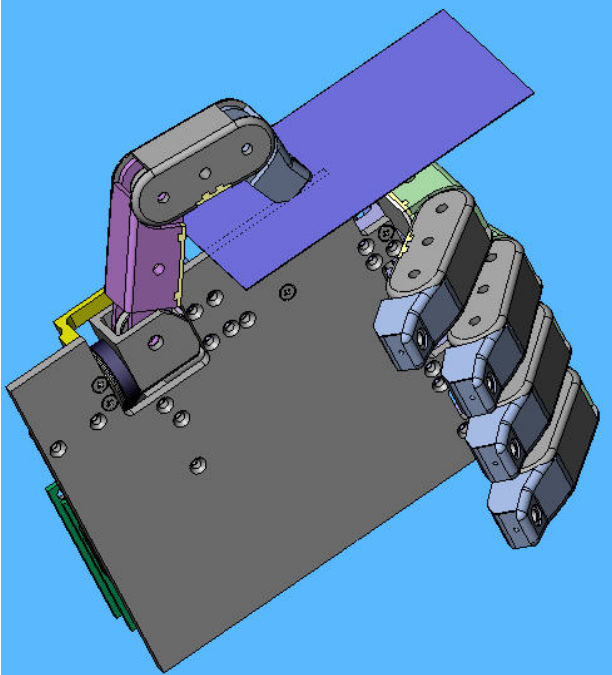*Figure 5: Two fingers robot hand which can grasp different shape objects*
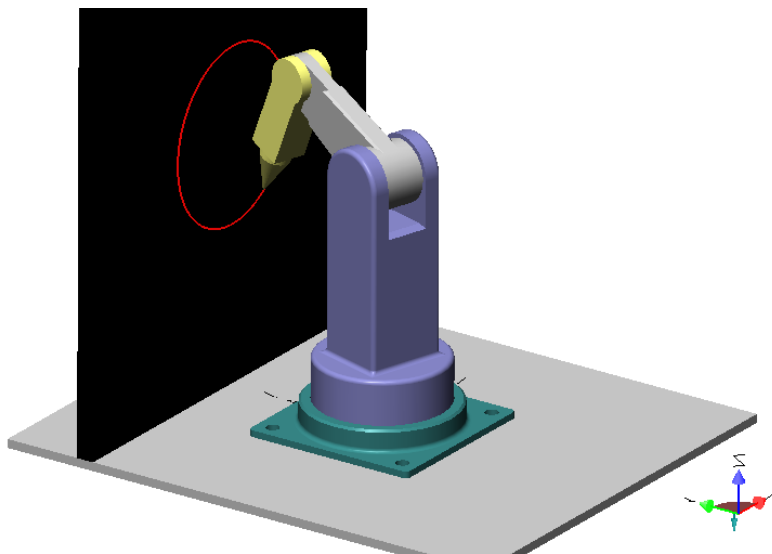

Figure 6: 3D model of humanoid robot hand

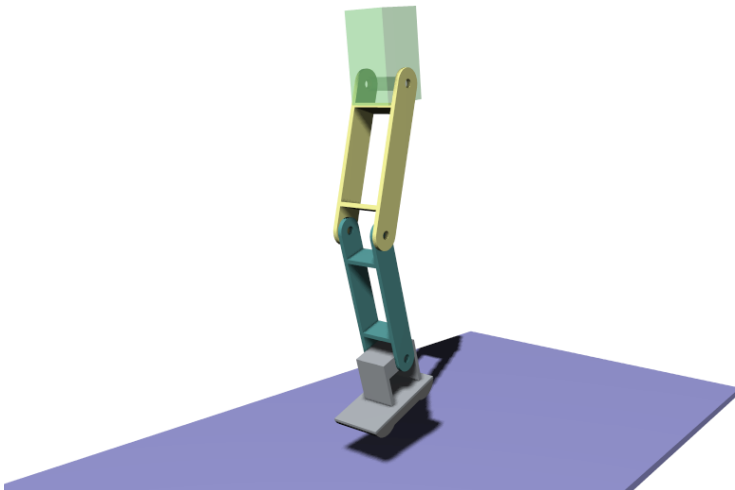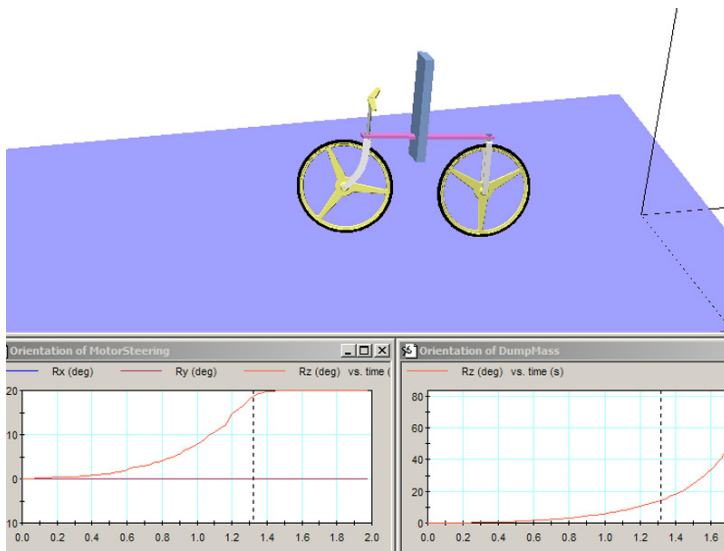*Figure 7: Interactive simulation of controlling 3DOF robot arm*

Figure 8: Hoping robot leg simulation

Figure 9: Autonomous bicycke simulation