

# Curriculum Vitae

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## Personal Information

**Name** : Alfin Rholas Jonathan Situngkir  
**Email** : situngkir.alfin@gmail.com  
**Place/Date of Birth** : Medan / 13th Juli 1994  
**Contact Address** : Jalan Pinang 3 No 11, Perumnas Simalingkar,  
Kelurahan Mangga, Kecamatan Medan Tuntungan,  
Sumatera Utara 20141  
**Contact Number** : +6282167550140  
**Marital Status** : Single  
**Gender** : Male  
**Hobbies** : Playing Football



## Formal Education

Level	School/Address	Period	GPA
Diploma-3 (Computer Engineering)	Del Institute of Technology	2012-2015	2.72(Until 5th Semester)
Senior High School	SMA N.4 Medan	2009-2012	-
Junior High School	SMP Cahaya Medan	2006-2009	-
Elmentary School	SD Kaisarea Medan	2000-2006	-

## Foreign Language

Language	Level
English	Intermediate

## Achievements/Awards

1. Semifinalist of Microsoft Imagine Cup 2014 World Citizenship Competition Indonesia Regional
2. Participant of INAICTA 2014
3. Participant of Microsoft Imagine Cup 2015

## Internship Experience

1. Internship at PT Telekomunikasi Indonesia (Tbk) Area 1 Sumatra for one month as Staff IT
2. Internship at PT Alstom Grid for one month as Staff IT/Network Administrator

## Societal Task

1. Member of IT Del Students Community (BPHKM) 2012-2015
2. Coordinator of Equipment Section of Students Community (BPHKM) 2014-2015
3. Member of Equipment Section of Students Community (BPHKM) 2012-2013
4. Vice Coordinator of Security Section of Christmas Ehipania 2014
5. Member of Security Section of Christmas Ehipania 2013

6. Coordinator of Equipment Section of Del Mountaineering and Nature Lovers Club 2013-2014
7. Member of Del Mountaineering and Nature Lovers Club 2014-2015
8. Member of Business Club of Students Community (BPHKM) 2013-2014
9. Coordinator of Business Club of Students Community (BPHKM) 2014-2015

### Technical Skills

Technical Specification	Skills Specification	Experience	Level
<b>Programming Language</b>	Pascal	Having three weeks experience to learn basic concept, improve of problem solve and develop simple program.	Average
	C	Having four semesters experience to learn basic concept of C Programming, improve skill of problem solve, and develop application by using C Programming Language	Good
	Shell	Having two semester experience to learn basic concept of Shell Programming in Linux	Good
	Java	Having two semesters experience to learn basic concept, improve of problem solve and develop application by using Java Programming	Good
<b>IDE</b>	Netbeans	Having two semester experience to build Java Applications by using Netbeans IDE	Good
	Eclipse	Having one semester experience to learn and develop many Java application, test the program and build project mobile application like Android by using Eclipse IDE	Average
	Construct 2	Having one month experience to learn and use Construct 2 to develop a simple game	Average
	Arduino	Having one Semester experience of program the Arduino Microcontroller device by using Arduino IDE	Good
	Dev Cpp	Having one semester experience using Dev Cpp IDE for learning algorithm using C Language	Good

<b>Web development</b>	PHP	Having two semester experience to learn and develop web application by using PHP web development	Good
	HTML	Having two semester experience to learn, explore and development web application with implement it in the static websites by using HTML script	Good
	Java Script	Having two weeks experience to make more interactive HTML pages when develop web application by using JavaScript	Good
	CSS	One semester learning Cascading Style Sheet concept and implementing it by creating websites.	Good
<b>Database System</b>	Microsoft Access	Having one semester experience to use Access for basic database, query execution, and use the wizard by using Microsoft Access	Good
	MySQL	Having one semester experience to learn, explore, maintain database in MySQL, execute the query and make programs database by using MySQL	Average
<b>Operating System</b>	Windows XP, 7, 8	Experience to use the windows XP, windows 7 and windows 8 environment to run and execute so many applications and programs	Excellent
	Ubuntu Desktop 12.04	One semester experience in Using Ubuntu Desktop 12.04	Good
	Ubuntu Server 12.04	One semester experience in Using Ubuntu Server 12.04	Good
	Backbox	One semester experience in Using Backbox	Average
	Windows Server 2003, 2008	One semester experience in using Window Server 2008	Average
	CentOS 6.0	Two semesters experience in using CentOS	Good
	Kali Linux 2.0	One semester experience in using Kali Linux	Average
	Backtrack 5 R3	One semester experience in using Backtrack	Good

<b>Networking Tool</b>	FileZilla	Having one month experience to learn and implement to transfer file via FTP protocol in internet by using FileZilla	Good
	Putty	Having one month experience to learn and explore about Putty	Good
	Packet Tracer	Having two semester experience to learn and explore about Packet Tracer	Good
	Squid Proxy	One Semester experience in learning squid be a proxy server application.	Good
	Free Radius	Having experience of implementing free radius.	Average
	Samba File Sharing	Having experience in using SAMBA for FTP Server.	Good
	Postfix	Having experience of implementing postfix as mail server	Good
	Vsftp	Having experience of implementing file sharing using Vsftp	Good
	Httpd/phpmyadmin	Having experience of implementing web server using https / phpmyadmin	Good
	Bind	Having experience of implementing DNS Server using bind	Good
	WinSCP	Experience in using winSCP to remote Linux Operation System from Windows-based	Good
<b>Miscellaneous</b>	Wireshark	One year experience using wireshark.	Good
	Ms Office	Having experience in making documentation using Ms Office Word, presentation using Ms Office Power Point.	Good
	Microsoft Visio	Having experience to learn, explore and implement about modeling relational database, business process, data flow by using Microsoft Visio	Average
	Macromedia Flash MX	Having one month experience to learn, explore, and develop simple application	Good
	XAMPP	Having experience using XAMPP as a Web Server.	Good

	VM Ware	Having experience using VM Ware as a media to make virtual operating system	Good
	Corel Video Studio Pro 6	Having experience in editing video by using Corel Video Studio Pro 6	Good
	Yii Framework	Having experience to learn and build web application using PHP framework	Good
	SQLyog	Having one semester experience to learn and explore about design and maintain the database by using SQLyog	Good

#### **Projects Undertaken During Study:**

Project Name : **Otomatisasi Penambahan Rule dari Honeypot ke IDPS**  
 Project Owner : Del Institute of Technology  
 Duration : September 2014 – Present  
 Platform & Skills : This project was developed by using C Programming Language  
 Description : This project purpose to create a system become more secure by generate the rule for IDPS by using Log Honeypot  
 Role : Programmer  
 Responsibilities : Writing code program to build a system

Project Name : **Pembangunan Secure Chat Application Messenger dengan menerapkan metode Vigenere Cipher**  
 Project Owner : Del Institute of Technology  
 Duration : December 2014 – January 2015  
 Platform & Skills : This project was developed by using Java Programming Language  
 Description : This project purpose to build application that the message has been encrypted with Vigenere Cipher Method  
 Role : Programmer  
 Responsibilities : Writing code program to build application

Project Name : **Implementasi Robot Line Follower**  
 Project Owner : Del Institute of Technology  
 Duration : November 2014 – December 2014  
 Platform & Skills : This project was developed by using C Programming Language  
 Description : This project purpose to explore Arduino Microcontroller and create a robot that can follow the line  
 Role : Programmer  
 Responsibilities : Writing code program to implement the robot

Project Name : **Pembangunan Aplikasi Biro TIK Institut Teknologi Del**  
 Project Owner : Del Institute of Technology  
 Duration : February 2014 – June 2014  
 Platform & Skills : This final task project was made by using Yii Framework and MySQL database

Description : This project purpose to develop web-based application because of a previous application using the new organizational structure and solve the problem of application requirements such as application design, developing a database, create a new form of leave, and other

Role : Programmer and Tester

Responsibilities : Writing code program to build application and creating User Manual Application for user and testing all function of the Application

Project Name : **Pembuatan Tic Tac Toe Game dengan konsep Shared Memory menggunakan bahasa C**

Project Owner : Marojahan Sigiroy

Duration : February 2014

Platform & Skills : This project was developed by using Terminal on the Cent-Os (Linux) and Putty

Description : This project purpose to build a Tic tac toe game with Shared Memory concept and user or two user can play it at the same time with Multiplayer Mode.

Role : Programmer and Tester

Responsibilities : Writing code program and testing all function of the Application

Project Name : **Pembangunan Aplikasi Koperasi Institut Teknologi Del**

Project Owner : Del Institute of Technology

Duration : November 2013 – December 2013

Platform & Skills : This project was developed by using Java Programming Language

Description : This project purpose to explore the Java GUI and build application for Cooperation of Del Institute of Technology

Role : Programmer and Designer

Responsibilities : Design the application and writing code program to develop application

Project Name : **Pembuatan Aplikasi Penanganan Pengelolaan Workshop di Institut Teknologi Del**

Project Owner : Del Institute of Technology

Duration : November 2013

Platform & Skills : This project was developed by using Java Programming Language

Description : This project purpose to explore the Java GUI and build application for Manage the data of workshop like schedule of workshop

Role : Programmer

Responsibilities : Writing code program to build application

Project Name : **Pembangunan Website Souvenir Ulos Batak**

Project Owner : Del Institute of Technology

Duration : February 2013 – June 2013

Platform & Skills : This project was developed by using Wordpress with Content Management System (CMS)

Description : This project purpose to explore Wordpress with build souvenir website

Role : Programmer

Responsibilities : Writing code program to build application

#### **Projects Undertaken During Competition:**

Project Name : **Pembangunan Aplikasi i-Care**

Project Owner : Independel Team for Microsoft Imagine Cup IT Competition

Duration : December 2013 – Maret 2014  
Platform & Skills : This project was developed by using Microsoft Visual Studio  
Description : This project purpose to develop application that detect the dioptre level of eye.  
Role : Designer  
Responsibilities : Design the application UI

**Statement of Purpose:**

All the above activities have helped me in many ways so I

- Am comfortable working in teams
- Accept challenge and responsibility
- Have good communication skills
- Remain focused and dedicated towards my work
- Have ability to learn a new thing quickly

I hereby certify that the information provided is true.

Situluama, February 23<sup>th</sup>, 2014



Alfin Rholas Jonathan Situngkir