Resume

Personal Information

Name	: Heppy Maria Simanungkalit
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Place/Date of Birth	: Porsea, January 2nd 1999
Citizenship	: Indonesia
Religion	: Kristen Protestan
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	Narumoda, Desa Narumonda V
	Provinsi Sumatera Utara.
Contact Number	: +6281329431519
LinkedIn Profiles	: https://www.linkedin.com/in/heppy-maria-simanungkalit-010104185
Marital Status	: Single
Gender	: Female
Hobbies	: Singing, cooking

Formal Education

Level	School/Address	Period	GPA
Bachelor (Information System)	Del Institute of Technology	2017 - present	3,61 (Until seventh semester)
Senior High School	SMAN 2 Balige, Toba Samosir, Sumatera Utara	July 2014 – June 2017	-

Foreign Language

Language	Level
English	Intermediet

Societal Task

- Internsip at the Office of Communication and Information Technology of Toba Regency as a web developer 2020
- Secretary of Badan Eksekutif Mahasiswa (BEM) 2019-2020
- Teaching Assistant for Artificial Intelligent Courses school year 2020/2021 1st semester
- Team PkM (Pengabdian kepada Masyarakat) The Statistical Programming Module with Python 2019
- Teaching Assistant for courses Algoritma dan Struktur Data school year 2019/2020 1st semester
- Laboratory assistant Fisika Dasar 1 school year 2018/2019 1st semester
- Member of HIMSI's Consultative Assembly (MPH SI) Del Institute of Technology 2018/2019

- Member of Religious and Social Department Badan Eksekutif Mahasiswa (BEM) 2018-2019
- Teaching Assistant for courses Algoritma dan Struktur Data school year 2018/2019 2nd semester
- Teaching Assistant for courses Pemrograman Berbasis Objek school year 2019/2020 2nd semester
- Member of Student Association of Himpunan Mahasiswa Sistem Informasi (HIMSI) 2017-present

Achievements

- Internship program at the Office of Communication and Information Technology of Toba Regency
- Database Administration professional certification from Inixindo 2020
- Participant of FIT Competition 2020
- Participant of ITFest USU 2020
- Participant Kompetisi Bisnis Mahasiswa Indonesia (KBMI) 2018
- Participant of Gemastik XII 2019 and XIII 2020

Technical Skills

Technical Specification	Skills Spesification	Experience
Programming Language	**C**	Having 2 semesters experience in learning basic and intermediate concepts of C programming and data structure
	Java	Having 1 semesters experience in learning and developing application using Java Swing and Java FX
	Visual Basic	Having 1 semester experience in learning basic concepts of Visual Basic programming
	Python	Having experience in learning concepts of Python programming for AI, Data Mining, and Natural Language Processing.
	Laravel Framework	Having 1 year experience in learning concepts of Laravel and finished 2 project
Web Development	**PHP**	Having 1 year experience in learning PHP web-scripting language
	HTML	Having a 1 semester experience in learning web design concept with HTML and develop static website using HTML
	CSS	Having 1 year experience in learning and developing website with CSS
	NodeJS	Having one month experience in learning NodeJS to build REST API
	MySQL	Having 2 years experience in learning how to query in MySQL

Database Systems	**Microsoft SQL Server**	Having 2 years experience in learning Transaction SQL for Data Definition Language and Data Manipulation Language
	SQLyog	Having 1 years experience in learning basic concepts of SQLyog
	PostgreSQL	Having 1 years experience in learning basic concepts of PostgreSQL
IDE	**Microsoft Visual Studio 2012**	Having 1 semester experience in learning and exploring Visual Studio features for developing web application
	Dev C++/Sublime	Having 2 semesters experience in learning intermediate concepts of Dev C++ or Sublime
	NetBeans	Having 1 semester experience in learning basic and intermediate concepts of NetBeans with Java
	Eclipse	Having 1 semester experience in learning basic and intermediate concepts of eclipse with Java
	Anaconda	Having 3 semester experience in learning basic concepts of Anaconda
	Jupyter Notebook	Having 2 years experience in learning basic concepts of Jupyter Notebook with Python
	Visual Code Studio	Having 3 years experience in learning basic concepts of Visual Studio Code to develop website
	Postman API	Having two months experience in learning and exploring Postman as API development environment
Operating System	**Windows (XP/7/8/10)**	Experience in using Windows environment in daily life to run and execute programs
Miscellaneous	**Visual Paradigm**	Having experience in using Visual Paradigm to designing an application, modeling relational database, business process modeling, and data flow diagram, use case diagram, class diagram, sequence diagram, etc
	Adobe XD	Having experience to make UI/UX design prototype of website or application
	Balsamiq Mockup	Having experience to make mockup of website or application
	Entriprise Architecture	Having experience to design Entity-Relationship Diagram (ERD) and Brainstorm by using Enterprise Architecture
	Microsoft Visio 2013	Having experience to design Context Diagram, Fowchart, database structure, physical data model, etc
	Bizagi	Having experience to design Business Process Model

		and Notation (BPMN)

Projects Undertaken During Study:

Project Name	:	**Game Scratch**
Project Owner	:	Physics Team
Duration	:	March 2018 – May 2018
Platform & Skills	:	This project is developed under Windows 10 using Scratch 2.
Description	:	Game of shooting balls against objects in the tree with the concept of parabolic motion and calculating the speed and height of the object using physics formula
Role	:	Game Developer
Responsibilities	:	Implement and apply physics formula.

Project Name	:	**Thai Tea Sales Information System**
Project Owner	:	OOP Team
Duration	:	April 2019 – May 2019
Platform & Skills	:	This project was developed under Windows 10 using NetBeans IDE 8.2, SQLyog database, and Java FX. Creating a modeling system (ERD and Use Case) and database structure with Microsof Visio
Description	:	This application was developed to facilitate Thai tea sales transactions, store transaction history, and calculate transaction results
Role	:	Java Engineer, Designer, Analyst
Responsibilities	:	Implement and analyzing requirement that have already been collected.
Link Github	:	https://github.com/heppymaria/Thai-Tea-Java-Application

Project Name	:	**Cooperative Information Systems at the Institute of Technology Del**
Project Owner	:	Developer team
Duration	:	April 2019 – May 2019
Platform & Skills	:	This project is developed under Visual Paradigm,Bizagi and Microsoft Visio to create Entity-Relationship Diagram (ERD), Data Flow Diagram (DFD), Business Process Model and Notation (BPMN), Use Case and Context Diagram
Description	:	Designing a system and cooperative system requirements to simplify the transaction process
Role	:	Analyst
Responsibilities	:	Designing UML using Visual Paradigm,Bizagi and Microsoft Visio

Project Name	:	**Design a Search Feature for CIS**
Project Owner	:	Project team
Duration	:	April 2019 – May 2019

Platform & Skills	:	This project is developed under Windows 10 using Adobe XD and Balsamiq
Description	:	The aim of this project is to make a CIS (Campus Information System) UI/UX design to display course search modules.
Role	:	Designer
Responsibilities	:	Designing User Interface and User Experience, and Prototyping with Adobe XD

Project Name	:	**The Application of UCS in The Random Graph**
Project Owner	:	Developer team
Duration	:	November 2019 – January 2019
Platform & Skills	:	This project using Java application with Artificial Intelligence. This project also use Uniform Cost Search algorithm
Description	:	This project is to build graph simulator and using UCS to find the short path from initial state to achieve the goal state
Role	:	Artificial Intelligent
Responsibilities	:	Implement and analyzing code with Python using Jupyter Notebook
Link Github	:	https://github.com/heppymaria/Phyton-using-UCS-Algorithm

Project Name	:	**Del Lab (Web based laboratory application development)**
Project Owner	:	Developer team
Duration	:	Desember 2019 - January 2019
Platform & Skills	:	This project was developed under Windows 10 using HTML, SQLyog database, CSS, PHP.
Description	:	This project is the development of information systems for laboratories. The contents of this application are borrowing and returning rooms and equipment, adding data to members, recording transaction results.
Role	:	Programmer and analyst
Responsibilities	:	Implement and analyzing code
Link Github	:	https://github.com/heppymaria/Del-Lab-Web-based-laboratory-application-development

Project Name	:	**Designing a Data Mart to Help with Decision Making and Improve Sales Strategy (Case Study of Hypermart XYZ)**
Project Owner	:	Designer and Developer team
Duration	:	April 2020 – Mei 2020
Platform & Skills	:	This project is designing a data mart using SQL Server Management Studio for database design, SQL Server Integration Service (SSIS) for the data integration process, and SQL Server BI Development Studio for data analysis.
Description	:	This project aims to design Data Mart/Data Warehouse
Role	:	Database
Responsibilities	:	Design and Implement
Link Github	:	https://github.com/heppymaria/perancancangan-data-mart-hypermart-xyz

Project Name	:	**OnanKomputer (website based application)**
Project Owner	:	Designer and Developer team
Duration	:	February 2020 – June 2020
Platform & Skills	:	This project was developed using Laravel and MySQL database
Description	:	This project aims to designing and developing a website that provides online sales services (e-commerce) for electronics
Role	:	Web Developer
Responsibilities	:	Design and Implement
Link Github		https://github.com/heppymaria/OnanKomputer

Project Name	:	**Sistem Informasi Pusat Statistik (website based application)**
Project Owner	:	Designer and Developer team
Duration	:	June 2020 – August 2020
Platform & Skills	:	This project was developed using Laravel and MySQL database
Description	:	This project aims to designing and developing a website for the communication and informatics office (Kominfo) of the Toba district which is useful as an information system for storing statistical data and information. https://sipstoba.com
Role	:	Web Developer
Responsibilities	:	Design and Implement

Project Name	:	**Classification of TV Commercial from 3 Local and 2 International News Channels Using the K-Nearest Neighbor, Naive Bayes, SVM and Decission Tree**
Project Owner	:	Designer and Developer team
Duration	:	Nov 2020 – Jan 2021
Platform & Skills	:	This project was developed using Python and Python Flask, HTML, CSS (Interface).
Description	:	This is a data mining project with a classification method by building a machine learning model that can label data
Role	:	Data Mining/Machine Learning
Responsibilities	:	Design and Implement
Link Github	:	https://github.com/heppymaria/Data-Mining-Classification-of-TV-Commercial-from-3-Local-and-2-International-News-Channels

Project Name	:	**Text Multiclass Classification Using Naive Bayes Classifier Case Study : News Article Dataset**
Project Owner	:	Designer and Developer team

Duration	:	Nov 2020 – Jan 2021
Platform & Skills	:	This project was developed using Python and Python Flask, HTML, CSS (Interface).
Description	:	This project was developed using Python and Python Flask, HTML, CSS (Interface).
Role	:	Natural Language Processing/Machine Learning
Responsibilities	:	Design and Implement
Link Github	:	https://github.com/heppymaria/NLP--Text-Multiclass-Classification-using-naive-bayes-classifier-case-study-news-article-dataset

Project Name	:	**Brazilian E-Commerce Public Dataset Visualization**
Project Owner	:	Designer
Duration	:	Nov 2020 – Jan 2021
Platform & Skills	:	This project was developed using Tableau Public
Description	:	This project aims to design a good data visualization using Tableau Public
Role	:	Data Visualization
Responsibilities	:	Design
Link Github	:	https://github.com/heppymaria/Data-Visualization-brazilian-e-commerce-public-dataset

Statement of Purpose:

All the above activities have helped me in many ways so
- Have good communication skills
- I am comfortable working in teams
- Love challenge and keep responsibility
- Remain focused and dedicated towards my work
- Have the ability to learn a new thing quickly
- Dicipline

I hereby certify that the information provided is true.

Sincerely,

Heppy Maria Simanungkalit