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| Curriculum vitae |
| Qualified Software Developer |
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| **Christiaan Markus Madeleyn** |
| **10/12/2019** |

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| BSc Information Technology Graduate, looking to start my career in software, web, database, Cyber security, artificial intelligence, networking or any other Information Technology development field. I am motivated and eager to learn about the industry, build a reputation and secure my future as a software developer. |

**Profile**

Name: Christiaan Markus

Surname: Madeleyn

Age: 26

Date of Birth: 13 December 1993

Nationality: South Africa

Fluent Languages: English, Afrikaans

Driving License: Code 8

Marital Status Single

Gender: Male

Health: Excellent

Residence: 4 Frans Du Toit Street, Sasolburg, Freestate

*Contact Information*

Email: [cmmadeleyn@gmail.com](mailto:cmmadeleyn@gmail.com)

Number: 076 9555 833

**Qualifications**

* Matric Certificate with Exemption
* Bachelor of Science In information technology

Available Certificates and Documentation are attached to this Document.

**Education**

**Primary Education**

* North School Sasolburg (2001-2007)
* Selected as senior student leader in 2007

**Secondary Education**

* Afrikaans High school Sasolburg(2008-2012)
* Selected as senior student leader 2012
* Subjects Included Mathematics, Physics, Geography and Engineering graphics and Design. Accompanied by Afrikaans as first Language, English as second Language and Life Orientation as mandatory subjects.

**Tertiary Education**

**2013-2015**

* Name of institution : Cape Peninsula University of Education (CPUT), Green Point Campus
* Course: S1 Marine Engineering

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| Subjects Completed Include: | Communication Studies |
|  | Computer Studies |
|  | Legal Knowledge 1 (Mod A) |
|  | Marine Engineering Knowledge (Mod A) |
|  | Mathematics 1 |
|  | Electrotechnology 1 |
|  | Marine Science |
|  | Shipping Tecnology1 Practical (Mod B) |
|  | Mechanics of Machines 2 (thermo2) |
|  | Naval Architecture 1 |
|  | Fluid Mechanics 2 |
|  | Marine Engineering Knowledge 1 (Mod B) |
|  | Engineering Drawing |
|  | Shipbuilding Technology (Mod A) |

**2016**

* B.Sc. Science and Mathematics
* North-West University Potchefstroom

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| Subjects Completed Includes: | Introduction to Academic Literacy |
|  | Academic Literacy |
|  | Physics 1; Mechanics, Vibrations, Waves and Heat learning |
|  | Physics 2; Electricity, Magnetism, Optics and Nuclear Physics |
|  | Programming for Engineers (C, C++) |
|  | Programming (Java 1) |
|  | Descriptive Statistics |
|  | Applied Mathematics |
|  | Mathematics: Introduction to algebra and analysis |

**2017-2019**

* B.Sc. Information Technology
* North-West University Potchefstroom

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| Subjects Completed includes: | Accounting 1 |
|  | Accounting 2 |
|  | Introduction to Business Management |
|  | Entrepreneurial Opportunities |
|  | Introduction to Statistical interference |
|  | Discrete Mathematics |
|  | Philosophy: Understanding the natural world |
|  | Computer Science: Graphical Interfaces (C# 1) |
|  | Computer Science: Graphical Interfaces (C# 2) |
|  | Computer Science: Quantitative analysis and Management |
|  | Computer Science: java 2 |
|  | Computer Science: Java 3 |
|  | Computer Science: Decision Support System |
|  | Computer Science: Databases 1 |
|  | Computer Science: : Databases 2 |
|  | Computer Science: Communication skills |
|  | Computer Science: Expert Systems |
|  | Computer Science: Artificial Intelligence |
|  | System Analysis and Design1 |
|  | System Analysis and Design2 |
|  | Operating Systems |
|  | Computer Science: Projects |
|  | Computer Science: Networks |
|  | Decision support systems |

**Development Skills and Proficiencies**

A brief description of the Technologies, Programming Languages and Development Environments in witch I am trained, skilled or familiar with, completed with some background to the extend of expertise, training and estimated proficiency.

**Operating systems**

**Windows** 

Good Proficiency in using Windows 10 and Windows 7. Used Windows 7 for four years as the main operating system for developing purposes.

**Linux** 

One year of experience and self study. Projects include setting up Apache server using Lamp Stack and host websites build in html4 and php7. Basic Proficiency.

**Console Application Languages**

**C** 

C was my introduction into Programming over one semester. We used CodeBlox as IDE and focussed on Data Types, Pointers and an introduction to basic Algorithms (i.e. search and sort) and Data Structures. Minimal Proficiency

**C#** 

C# and Visual Studio was used as main Programming Language and Platform for three of the Computer Science subjects witch focused mostly on Graphical User Interface and extended three consecutive semesters. C# was used in most of the projects submitted throughout my studies including a Point of Sale System with Inventory control and Database Management, and a complete Messenger Program with Encrypted text, video and audio messaging functions. Intermediate Proficiency

**Java** 

Java was the Programming Language used in three consecutive Computer Science subject spanning over three semesters. These computer science subjects focussed on OOP, Inheritance and Polymorphism, Data Structures and Algorithms. Projects completed include ‘Snake’; build completely by using Data Structures such as Arrays, Linked Lists, Stacks and Queues. Basic to Intermediate Proficiency

**C++ and Assembly** 

When studying Operating Systems I was introduced to Assembly Programming, including registers and basic instructions. I used C++ to act as a middelman between my C/ C# knowledge and Assembly language knowledge to write simple algorithms with faster runtime. Basic Proficiency

**Web Development**

**.Net Framework** 

With a good foundation in C# and an interest in Web development, self-studying .Net Framework became a hobby for the past two years. Projects completed; Basic website with simple Shopping Cart system. Intermediate Proficiency

**HTML** 

Basic HTML knowledge developed over two years of studying. Net framework and php. Basic Proficiency

**Php** 

One year of experience while studying LINUX and LAMP stack. Projects include; basic shopping cart system using MySQL database and running on an Apache server. Basic Proficiency

**Css** 

Knowledge developed over two years of studying Web Development, style sheets was used in all projects completed in both Net framework and LAMP stack on LINUX. Intermediate Proficiency

**Data Base**

**SQL(MySQL, Oracle)** 

SQL querying was introduces when Studying System analysis over two consecutive semesters using MySQL as basis. Studying Databases for two semesters deepened my understanding of the Database lifecycle from the design phase to the implementation and maintenance phase. Oracle was used as basis when studying Databases. Intermediate Proficiency

**Mongo** 

Minor experienced in Mongo Databases while completing final year project. Minor Proficiency

**Artifitial Intelligence**

**Clips** 

When introduced to Expert Systems and Artificial Intelligence Development, Clips was used to complete two basic projects including an intelligent physiotherapy program that diagnosed back and neck pain. Preliminary proficiency

**Game development**

**Unity** 

Six months’ experience using Unity, Photon and C# to develop a basic Competitive, Multiplayer, Multiplatform game. Basic Proficiency

**Development tools Tools**

**Git** 

One year of experience using Git, Github.com and Git Desktop in four different projects to assist in the development process and manage updates. Intermediate Proficiency

**Networks**

One semester of studying IP Addresses and Protocols complete with Encryption. Projects completed include a Messenger Program with encrypted text, video and audio messaging functionality. Basic Proficiency and with minimal experience

**Work Experience**

**Mechanics Assistant**

Company: Stones Plant hire

Time: February 2015 to November 2015

Location: Sasolburg

Description: Repairs and maintenance of Big Machinery i.e. Frontend Loaders, Trucks, Excavators, TLB’s and other Earth Moving Machinery, as well as servicing and repairs to staff vehicles mainly Semi Pick-Up trucks.

**Dance Instructor**

* Studio: Pizzazz in Vereeniging Razzmatazz in Vanderbjilpark Elrien’s Dans Studio in Vaalpark
* Time: 2009 – 2012

Description: Worked as Dance Instructor for a couple of dance studio’s in the Vaal. Periodically if school activities allowed, I taught weekly classes earning R150 per hour. I would also give private lessons and choreograph Routines for competitions earning R100 per hour.

**Hobbies**

* Kick Boxing
* Sport
* Waterski
* Hors Riding
* Playing Drums

**Interests**

* Artificial Intelligence
* Robotics
* Cyber Security
* Renewable Energy (Solar)
* Networks

**Character**

Good communication and people skills, combined with a willingness to learn, and a love for problem solving and overcoming challenges. I believe that I function well under pressure and that I am calculated in my actions rather than emotional.