**Name:** Simone Dawn Matsukis

**Age:** 24 years old

**Email:** [smatsukis@gmail.com](mailto:smatsukis@gmail.com)  
**Location:** Randburg, Johannesburg, South Africa  
**Current job title:** Junior Algorithm Engineer

**Highest qualification:** Bachelor of Computer and Information Science (Honours)

**Work Experience**

**Junior Algoirthm Enginner** - TecEx (A division of VAT IT)

*January 2022 - Present*

* Developing algorithms and frameworks for the optimization of business processes
* Business process automation using Python technologies and RPA tooling
* Developing, testing and debugging current business processes into a collaborated, object-orientated Python application that is integrated with Salesforce
* Integration and application of external APIs, REST and webhook technologies into current business processes
* Interacting with the Salesforce API, SOQL and large datasets for automations as well as presenting, updating, and creating business data
* Developing threaded, automated web data extraction applications and automated scraping scripts (using technologies like Selenium, beautiful soup and requests for browser automation)
* Working with linux containers with Flask for creating, deploying, and managing applications (front and backend) in a microservices architecture
* Scheduled and automated scripting for daily reporting, rollups, allocations and updating of business information using Heroku or AWS lambdas
* Utilizing MongoDB's document model and aggregation framework for NoSQL data storage and manipulation and working with JSON/BSON objects
* Collaboration with team members using GitLab and practicing GitLab best practices

**Junior Programming Analyst** - Worldplay Software Solutions

*November 2020 - March 2021*

* Documenting, refining, and mapping system requirements and processes
* Developing website plugins and integrations with external APIs using PHP
* Developing Frontend and Backend of the site using PHP, Twig, and Javascript, utilizing the Kirby infrastructure
* Integrating frontend design with backend functionality
* Utilizing Agile methodology and IT project management body of knowledge to document and manage project tasks
* Communicating and liaising with clients internationally
* Collaborating with team members from around the world using GitHub

**Internship: UA & QA Testing** - Worldplay Software Solutions

*July 2020 - October 2020*

* Conducting quality assurance and user acceptance testing of a CMS web application for an online casino that adheres to multiple international jurisdiction laws
* Creating and developing test cases specific to each jurisdiction
* Automating testing procedures by developing Python and Selenium scripts to execute test cases
* Updating and maintaining documentation, as well as assisting with issue reporting and resolution

**University Projects**

*January 2019 - December 2019*

* Development of a HR Management system using MEAN Framework (Leave request and approval system, automatic generation of payslips in the form of PDFs, development of a tax calculator, automation of vacancy application process, and development of an employee database.)
* Development of a static Website for Visibiliti Marketing (www.wsnh.co.za) following a given mock-up.

**Education**

**Bachelor of Computer and Information Science (Honours) with Distinction**

IIE MSA

*December 2021*

* 8 distinctions achieved
* Research Project: Analysis of Automated Learning Style Classification of Undergraduate Students using Machine Learning Algorithms

**Bachelor of Computer and Information Science with Distinction**

Monash University

*July 2020*

* 24 distinctions achieved (15 Higher Distinctions)
* Majors: Software Development & Business Information Systems

**National Senior Certificate**

Northcliff High School

*December 2016*

* 3 Distinctions received - Mathematics Core, Accounting and Life Orientation
* Half Colours for Academics received in Matric (2016)

**Awards**

* **Dux of Undergraduate (2020)**

The top graduating student in the Bachelor of Computer and Information Science degree in the year 2020.

* **Certificate of Competence (2019)**

Received from university tutoring.

* **Award of Merit (2019)**

Second Place Academic Achiever for 2nd-year studies.

* **Award of Excellence (2018)**

Top Academic Achiever for excelling in first-year studies.

* **Employee of the Month (March 2023)**

**Skills**

**Technical Stack and Languages:**

* Python
* JavaScript
* Robotic Process Automation (RPA)
* PHP
* HTML5/CSS3/Jinja - FrontEnd Rendering
* RESTful API
* Web Development and Frameworks (MEAN Stack)
* Web browser automation technologies (Selenium, Beautiful Soup, Requests)
* Flask
* Containers
* SQL, NoSQL & SOQL
* Java
* Android

**Other:**

* Object Orientated Programming
* Algorithm formulation and design
* Business Process Automation
* Automated Test Scripting
* Machine learning algorithms
* Integration with external APIs
* User Interface and Experience Design
* IT Project Management - Agile Methodology
* Systems and application development, design and analysis
* Databasing
* Data Warehousing & Business Intelligence
* UML Modelling
* Excel Spreadsheet Design, Formulation and Computation
* Business Decision Modelling and Forecasting
* Accounting, Finance and Business Management Principles
* Business Information Systems and Processing
* IT Professional Practice
* IT Strategy Formulation and Governance