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 awarded for academics 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

- 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

SIMONE MATSUKIS

JUNIOR ALGORITHM ENGINEER

✉ smatsukis@gmail.com
📍 Johannesburg, SA
📅 1998-06-19 (24 years old)

EXPERIENCE

JUNIOR ALGORITHM ENGINEER

TecEx (A division of VAT IT)   January 2022 - Present

- Developing algorithms and frameworks for the optimisation 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
- Utilising 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

OTHER

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.

TECHNICAL STACK

- 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