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Reinhardt Eiselen

Personal Particulars

Surname : Eiselen
First Name : Reinhardt
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Cell : 0605088076
Driver's license : Yes
Nationality : South African
Criminal Record : None
Material Status : Never Married
Gender : Male

PERSONAL SUMMARY

I am a BSc IT student at the University of Pretoria. I am currently in my final year of studies and will be graduating at the end of this year (2019). My course is a double major in Computer Science and IT & Enterprises. The knowledge, thinking patterns and problem solving skills I have gained from programming combined with the business insights (Project management, Logistics, finance, Business management, marketing and etc) from my second major will help me translate technical need to business needs and vice versa. And enables me to bridge the gap between these two worlds. I feel my skills and knowledge can best be put to use in the fields of analytics, big data and Business intelligence.

HARD SKILLS

Computer Literate, Analytical, Programming, Math, Discrete Math, Data structures, Algorithms, Logistical Management, Research, International Trade, Business Management, Project Management.

SOFT SKILLS

Leadership, Time management abilities, Positive Attitude, Problem solving skills, Adaptability, Fast learner, Teamwork and I work well under pressure.

CODING LANGUAGES

JavaScript, Java, TypeScript, Angular 2+, Ionic Framework, PHP, SQL, NodeJS, React, 64-bit/32-bit assembler, C, C++ and Android

SECONDARY EDUCATION

High School Secunda (Matric)

Class of 2013

Level Achieved: Matriculation (University Exemption)

Subjects Passed: English, Afrikaans, Mathematics, Physical
Science, Biology and IT.

**Awards Received:* During Secondary School was appointed as a Prefect and part of student council.

TERTIARY EDUCATION

University of Pretoria, Pretoria – Bsc. IT (Information and Knowledge Systems)

2014-2019

Subjects Passed Include :

- Introduction to programming
- Program design
- Software Modeling
- Discrete structures 1 & 2
- Calculus 1 & 2
- Chemistry 1 & 2
- Data Structures and Algorithms
- Operating Systems
- Concurrent Systems
- Netcentric Computer Systems
- Informatics
- Information Science
- Computer Organisation and Architecture
- Computer Networks
- Multimedia Human-computer Interaction
- International Business Management
- Introduction to Moral and Political Philosophy
- Marketing Management
- Business Management 1&2
- Statistics
- Logistics Management
- Project Management

EXPERIENCE

No formal experience in the IT field.

- Part time bartender at festivals (2014 - 2017)
- Part time bartender at Hudsons Burger Joint Hazelwood Pretoria (01/04/2017 - 01/09/2017)
- Private tutoring (2015 - 2018)

PROJECTS

- Software Engineering final year project (currently working on it)
The system is being developed for the EPI-USE group.

A short description of the project: To aid rangers in anti-poaching patrolling, a system is being developed to automatically create and optimise drone flight plans based on animal tracking information and reserve features with the help of machine learning. The project aims to increase the probability of drones covering key areas with endangered wildlife, while being random enough to prevent poachers identifying patrol routes. Rangers and drone pilots will be empowered with useful information through this dynamic application.

Link to git repository:

<https://github.com/cos301-2019-se/Wildlife-Drones-and-Flight-Plans>

- JCP 202 Community based project

An outreach program where we as students went out into the community and identified a target area that we could apply our skills and knowledge to help struggling communities. My team and I engaged with a school in the Laudium area of Pretoria and we as a team rewired, fixed, improved and replaced necessary equipment for the IT labs of the school enabling the teachers and the learners of the schools to be more effective in their teachings and studies. It was a real honor to be able to make a difference in these people's lives.

Link to short video overview of project : <https://youtu.be/IAL3lWhjpvw>