
Drive Stats
by
Dynamic Visual Technologies

A TENDER DOCUMENT FOR THE CONSIDERATION OF THE
DVT DRIVE STATS PROJECT

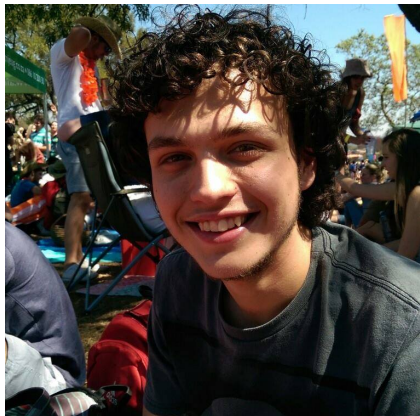
4 MAY 2015

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Summary



I am a very driven person with very clear goals in terms of my career as well as my personal life. I believe in honesty above all else and making a valuable contribution towards society. In my opinion, one of the greatest injustices that can be done by man, is refusing to pass on what one has learnt and experienced, for without this happening there can be no progress. My dream is to be remembered for the feats that I had accomplished in my lifetime. I am

extremely passionate about technology, specifically software development, which is the reason why I chose to study Computer Science at a tertiary level. I am particularly fond of new challenges that test my abilities allowing for growth, self-improvement and the improvement of others. My family and friends are an extremely important factor in my life and I would see them proud of the man that I am, and want to be.

Experience

Barone, Budge & Dominick (Pty) Ltd

HOUGHTON ESTATE, JOHANNESBURG

Bursar

Jan'15 – present

BBD implements and maintains complex business systems. A customer with a requirement for custom software, which must fit into their business, and must meet the business goals approaches BBD with the goal in mind of obtaining a software solution thereof.

University of Pretoria, Computer Science Department

HATFIELD, PRETORIA

Teaching Assistant

Jul'14 – present

As a teaching assistant for Data Structures and Algorithms, Netcentric Computer Systems and Software Modelling it is expected of one to have a good understanding of design patterns, general algorithm implementations and data structures in the Computer Science field as well as knowledge of web development and other networking related software development.

Dynamic Visual Technologies

HYDE PARK, JOHANNESBURG

Junior Software Developer

Nov '14 – Jan'15

DVT is a software development and related services business. They build, implement and support software, and provide those services that ensure business concepts are clear, that practical needs are met, and that software is written to specifications.

Technical Skills

Technical expertise: Software design and implementation. Big fan of Agile methodologies. I regularly utilise Java/C++, yet flirts regularly with C#. Proper knowledge of web technologies: HTML+CSS, XML, REST, SOAP and JavaScript (including WebGL). Elementary knowledge of Artificial Intelligence related methods, such as optimisation problems.

Natural languages: Afrikaans (*mother tongue*), English (*full professional proficiency*), French (*elementary proficiency*).

Interests

Non-exhaustive: Online gaming, running, music, reading, travel, foreign cultures, most things French related, cooking, open source movements, software development.

Non - Technical Strengths

Social skills: I believe myself to be a rather "likeable" person, meaning I am very seldom found to be antagonistic towards others. I am a people person. I enjoy meeting and spending time with new and interesting people.

Professional skills: In a professional working environment I strive to be a very punctual, concise and informed individual. My approach towards professionalism relies on the concepts of honesty, determination, perseverance and most of all proper communication.

Why DVT Drive Stats?

Because: I am very interested in mobile development, particularly for Android devices. I feel this project is very applicable to modern day life and can actually make a difference in people's lives. As a result of my previous experience with DVT, I will always jump to the opportunity to engage with the people and company.

1 Project Execution

1.1 Ideas and Technologies

1.1.1 Technologies to be Used

After due consideration and taking into account the received requirements, the following technologies will be used:

ASP.NET MVC 5

ASP.NET Web API

C#

MySQL

1.1.2 Implementation Ideas

1.1.3 Project Extension Ideas

The following was considered as possible future extensions on the current project specifications:

- **Android watch notification sister-application**
The idea behind this is that while the main app is tracking the user's travelling speed, if it is the case that a user is travelling at a rate which is greater than the speed limit in his vicinity the user will be made aware of this fact. This alert can take place in the form of vibrations or sound emitted by the watch as to not interfere with the user's driving.